

Online Study Chat Group: 5/4/09, 9 – 10:30 PM

DNA REPLICATION

8:59:58 PM Brielle LH: i'm tired ms chien
9:00:03 PM Brielle LH: let's take a nap
9:00:08 PM Annie Chien: where is the rest of the folks!
9:00:18 PM Angela R: hello
9:00:22 PM Annie Chien: hi angela
9:00:25 PM Brielle LH: they're coming
9:00:27 PM Angela R: im listening to the class i missed
9:00:31 PM Angela R: on my recorder
9:00:31 PM Annie Chien: ok
9:00:37 PM Angela R: u guys are soooo funny
9:00:55 PM Brielle LH: who else is on now?
9:01:00 PM Annie Chien: we're a riot
9:01:54 PM Annie Chien: ok im gonna get some tea while we wait for more folks
9:01:58 PM Brielle LH: ok
9:01:59 PM Angela R: okie dokie
9:02:12 PM Brielle LH: i'm callin liane
9:02:22 PM Brielle LH: she said ppl are stalkin her
9:02:37 PM Angela R: lol
9:02:41 PM Angela R: waatt??
9:02:59 PM Brielle LH: she said she can't sign on to aim cuz ppl are stalkin her
9:03:00 PM Brielle LH: lol
9:03:05 PM Angela R: lol
9:03:07 PM Angela R: wow
9:03:44 PM Brielle LH: meli
9:03:48 PM Melissa M: heyyyy
9:04:02 PM Angela R: hello
9:04:06 PM Annie Chien: hi ely!
9:04:21 PM Melissa M: hihi
9:04:27 PM Melissa M: ely??
9:04:38 PM Brielle LH: ok
9:04:50 PM Brielle LH: bad news
9:04:51 PM Annie Chien: are we ready
9:04:53 PM Annie Chien: bad news
9:04:54 PM Brielle LH: liane's not coming
9:04:58 PM Brielle LH: good news
9:04:58 PM Angela R: wow
9:05:11 PM Brielle LH: we get to jump on her tomorrow in class
9:05:16 PM Melissa M: lmao
9:05:16 PM Annie Chien: ok

9:05:18 PM Angela R: lol
9:05:20 PM Angela R: yay!!!!!!
9:05:24 PM Brielle LH: lol
9:05:26 PM Annie Chien: ill make a chat transcript when we are done
9:05:28 PM Annie Chien: where is alex
9:05:30 PM Brielle LH: ok
9:05:33 PM Brielle LH: idk where she is
9:05:40 PM Angela R: idk
9:05:42 PM Annie Chien: ok we begin
9:05:49 PM Brielle LH: where's steph??!!
9:05:53 PM Annie Chien: (1) WHAT IS THE ROLE OF HELICASE
9:06:03 PM Brielle LH: to split the dna into strands
9:06:03 PM Angela R: it splits dna
9:06:06 PM Annie Chien: GOOD
9:06:07 PM Annie Chien: GOOD
9:06:09 PM Angela R: yay
9:06:11 PM Brielle LH: yay!!
9:06:20 PM Brielle LH: where's meli?
9:06:27 PM Annie Chien: (2) WHAT IS DIFFERENCE BETWEEN THE ROLES OF DNA POLYMERASE I AND 111
9:06:29 PM Melissa M: melisz hereeee
9:06:31 PM Melissa M: :-D:-D:-D
9:06:33 PM Brielle LH: otay
9:06:48 PM Brielle LH: h.o.
9:06:53 PM Brielle LH: i have to look it up again
9:07:44 PM Annie Chien: HELLO
9:07:50 PM Melissa M: brb
9:07:50 PM Angela R: dna poly 1 removes the primer from the 5' strand
9:07:55 PM Annie Chien: GOOD ANGELA
9:08:11 PM Brielle LH: so III removes from the 3?
9:08:16 PM Angela R: dna poly 3 synthesizes the leading stran
9:08:22 PM Annie Chien: **GOOD**
9:08:23 PM Annie Chien: GOOD!
9:08:25 PM Angela R: yay
9:08:27 PM Angela R: heeheheh
9:08:29 PM Annie Chien: I SEE YOU STUDIED
9:08:31 PM Annie Chien: !
9:08:37 PM Brielle LH: wait? i dont get it
9:08:39 PM Brielle LH: lol
9:08:43 PM Annie Chien: **ANGELA EXPLAIN**
9:08:48 PM Angela R: lol.. im studying now
9:09:08 PM Angela R: h/o
9:09:08 PM Annie Chien: SCROLLLL BACK
9:09:13 PM Angela R: giv me 2 wecs
9:09:25 PM Brielle LH: what is a "ec"

9:09:28 PM Brielle LH: "wec:
9:09:36 PM Brielle LH: "wec"?
9:09:41 PM Angela R: secs*
9:09:43 PM Angela R: i hav nails
9:09:47 PM Angela R: not good for typing
9:09:48 PM Angela R: lol
9:09:51 PM Brielle LH: losers
9:10:10 PM Annie Chien: HELLO?
9:10:14 PM Angela R: dna 3 adds on to the primer in the leading strand
9:10:23 PM Angela R: it continuously synthesizes it
9:10:30 PM Annie Chien: GOOD GOOD!
9:10:37 PM Angela R: wat does it mean by synthesizes it???
9:10:43 PM Annie Chien: SYNTHESIZE = MAKE
9:10:51 PM Annie Chien: MR. CHIEN SAYS HI
9:11:12 PM Angela R: for the lagging strand it makes the okazaki fragments longer
9:11:14 PM Angela R: ohhh
9:11:18 PM Annie Chien: HE WANTS TO SEE WHAT'S KEEPING ME AWAY FROM HANGING OUT WITH HIM
9:11:22 PM Annie Chien: HE'S LOOKING OVER MY SHOULDER
9:11:23 PM Angela R: HELLO MR CHIEN!!!!!!!!!!!!
9:11:25 PM Annie Chien: SO BE NICE
9:11:35 PM Angela R: DADDY!!!!... im saying this for liane
9:11:37 PM Angela R: lol
9:11:40 PM Annie Chien: LOL
9:11:44 PM Angela R: lol
9:11:48 PM Angela R: hhehehhee
9:11:54 PM Annie Chien: NEXT QUESTION
9:11:57 PM Angela R: wait
9:11:59 PM Brielle LH: lol
9:11:59 PM Annie Chien: WHAT IS THE ROLE OF DNA LIGASE
9:12:03 PM Angela R: let me explain dna 1'
9:12:05 PM Angela R: lol
9:12:10 PM Annie Chien: OH OK
9:12:31 PM Brielle LH: ligase connects the okazaki fragments
9:12:45 PM Brielle LH: sorta glues them together
9:12:58 PM Brielle LH: right ms chien?
9:13:13 PM Annie Chien: YEP!
9:13:14 PM Annie Chien: GOOD
9:13:19 PM Brielle LH: yea
9:13:27 PM Angela R: dna 1 removes the primer from the 5'end of leading strand and relaces it with the dna
9:13:44 PM Angela R: sso it adds on the to the adjacent 3'end
9:13:46 PM Angela R: lol
9:13:58 PM Angela R: wat does it mean by adjacent 3'; end
9:14:22 PM Annie Chien: SOMEONE INVITE JESICA

9:14:23 PM Angela R: ??

9:14:24 PM Annie Chien: I JUST LOST HER

9:14:32 PM Annie Chien: ANGELA YEP!

9:14:38 PM Brielle LH: ok

9:14:54 PM Angela R: wat does it mean by adjacent 3'; end???

9:15:06 PM Annie Chien: ITS COMPLEMENTARY STRAND

9:15:14 PM Annie Chien: 5 ' HAS AN ADJACENT 3 ' END

9:15:14 PM Angela R: ?????

9:15:15 PM Jessica B: *hello guys*

9:15:18 PM Brielle LH: *jes!!*

9:15:27 PM Jessica B: *lol*

9:15:28 PM Jessica B: *hii*

9:15:30 PM Annie Chien: **ANOTHER QUESTION: WHAT IS THE REPLICATION FORK?**

9:15:33 PM Angela R: hi

9:15:36 PM Brielle LH: *wait im still stuck*

9:15:38 PM Angela R: ohhh

9:15:45 PM Angela R: i heard this on the recorder

9:15:47 PM Angela R: !!!

9:15:48 PM Angela R: lol

9:15:50 PM Jessica B: *lofl*

9:16:01 PM Annie Chien: GOOD

9:16:11 PM Annie Chien: WHAT ARE YOU STUCK AT?

9:16:14 PM Annie Chien: JESICA ASK QUESTIONS

9:16:29 PM Brielle LH: *i dont get what the roles of the polymerases are still*

9:16:30 PM Jessica B: *is the fork where all hte polemarase gather*

9:16:39 PM Annie Chien: THERE ARE TWO KINDS OF DNA POLYMERASES

9:16:40 PM Annie Chien: 1

9:16:41 PM Annie Chien: AND

9:16:42 PM Annie Chien: 3

9:16:50 PM Brielle LH: ok

9:16:56 PM Annie Chien: 3 MAKES THE COMPLEMENTARY BASES, ESPEICALLY FOR THE 5 - 3 STAND

9:17:03 PM Jessica B: *and i need to some one to clarify which is the laggin and which is the leading strand...that one sliped my mind*

9:17:12 PM Brielle LH: *shh jes*

9:17:14 PM Annie Chien: 1 REPLACES ALL THE RNA WITH DNA BASES

9:17:16 PM Jessica B: *im sorry*

9:17:17 PM Brielle LH: *go on ms chien*

9:17:17 PM Brielle LH: lol

9:17:31 PM Annie Chien: GET IT BRIELLE?

9:17:45 PM Annie Chien: JESICA: YOU HAVE TO READ DNA FROM LEFT TO RIGHT

9:17:49 PM Brielle LH: *yea*

9:17:50 PM Annie Chien: 5 - 3 IS THE LEADING STRAND

9:17:55 PM Brielle LH: *i guess*

9:17:55 PM Annie Chien: 3 - 5 IS THE LAGGING STRAND

9:24:32 PM Angela R: lol
9:24:34 PM Jessica B: *lol*
9:24:36 PM Angela R: RAJIT!!!
9:24:41 PM Annie Chien: RAJIT!
9:24:42 PM Angela R: or however u spell it
9:24:42 PM Jessica B: *no im not dont mistake me with steph*
9:24:52 PM Jessica B: *HAHAH RAA-JEET*
9:24:53 PM Annie Chien:

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

RAJIT!

9:24:53 PM Jessica B: *hehe*

9:24:56 PM Jessica B: *omggg*

9:24:58 PM Angela R: lol

9:24:58 PM Jessica B: *lmaooo*

9:25:05 PM Annie Chien: what are okasaki fragments

9:25:08 PM Angela R: ur crazy mschien

9:25:12 PM Jessica B: *yes u are*

9:25:13 PM Jessica B: *lol*

9:25:18 PM Brielle LH: *what ligase links together*

9:25:28 PM Annie Chien: ok but WHAT are they?

9:25:33 PM Jessica B: *they are formed from the 3-5 strand end*

9:25:36 PM Annie Chien: ok

9:25:37 PM Angela R: they are the fragment in which the lagging strand is being replicated...

9:25:39 PM Annie Chien: ok

9:25:41 PM Annie Chien: good good good!

9:25:49 PM Annie Chien: angela, gee, a lot better than yesterday!

9:25:51 PM Brielle LH: darn it
9:25:54 PM Jesica B: *lol*
9:25:54 PM Brielle LH: i quit
9:25:56 PM Angela R: like it is broken in okasaki fragments
9:25:57 PM Angela R: lol
9:25:59 PM Angela R: yay!!!
9:26:07 PM Jesica B: *did i get it ms.chien*
9:26:07 PM Brielle LH: i dont exist anymore
9:26:09 PM Annie Chien: NO QUITTING !!!!!!!!!!!!!!!!!!!!!!!
9:26:12 PM Jesica B: *hii brelille*
9:26:16 PM Jesica B: *spelled that wrong*
9:26:18 PM Brielle LH: who's that
9:26:18 PM Jesica B: *gosh*
9:26:21 PM Annie Chien: IM GONNA USE THIS CHAT SCRIPT AND SHOW IT TO YOUR MOM!
9:26:21 PM Jesica B: *lollll*
9:26:23 PM Angela R: BRIELLE!!!!
9:26:26 PM Angela R: ur beast!!
9:26:30 PM Jesica B: *YES U AREEE*
9:26:30 PM Annie Chien: OK TOUGH QUESTION
9:26:38 PM Annie Chien: WHAT ARE TELOMERES?
9:26:45 PM Angela R: dammi
9:26:45 PM Angela R: t
9:26:48 PM Angela R: ohhh
9:27:01 PM Angela R: the are the ends of the strands that cant be replicated
9:27:01 PM Jesica B: *they are the end of each strand that connets each strand together*
9:27:11 PM Annie Chien: THE END OF DNA STRANDS
9:27:12 PM Annie Chien: YES
9:27:12 PM Angela R: without telomerase
9:27:30 PM Angela R: yea
9:27:44 PM Annie Chien: YEA.....????
9:27:49 PM Angela R: ur right
9:27:50 PM Angela R: lol
9:27:59 PM Jesica B: *without teomerase the dna will be shorter therfore cause cancer and other things like mutations*
9:28:06 PM Annie Chien: GOOD GOOD
9:28:11 PM Angela R: yup
9:28:13 PM Annie Chien: DO YOU UNDERSTAND HOW THEY CAN GET SHORTER????
9:28:21 PM Jesica B: *yes*
9:28:28 PM Angela R: yea, cuz the ends are not being replicated
9:28:28 PM Annie Chien: OK
9:28:34 PM Annie Chien: GOOD ANGELA!!
9:28:35 PM Annie Chien: GEE
9:28:37 PM Jesica B: *when the telomerase dont join the two long dna strands*
9:28:37 PM Angela R: therefore the dna structure is shorter
9:28:38 PM Angela R: lol

9:28:45 PM Annie Chien: YOU TWO ARE ON A ROLL TONIGHT!
9:28:49 PM Jessica B: *YEAAA!!!*
9:28:51 PM Angela R: wat isthis joinig thing??
9:28:53 PM Angela R: lol
9:29:00 PM Jessica B: *loff*
9:29:02 PM Angela R: it joins the strand too??
9:29:06 PM Jessica B: *what is this replicating thing*
9:29:12 PM Jessica B: *yes i think soo*
9:29:12 PM Annie Chien: WHERE THE HECK IS MEL AND BRIELLE
9:29:16 PM Angela R: lol
9:29:18 PM Jessica B: *lo*
9:29:19 PM Jessica B: *awwwww*
9:29:25 PM Brielle LH: *i'm right here*
9:29:28 PM Angela R: yay!!!
9:29:34 PM Annie Chien: OK HERE IS A HARD O NE
9:29:37 PM Angela R: meli said she was gunna comeback
9:29:44 PM Brielle LH: *they're all hard!!*
9:29:49 PM Angela R: lol
9:29:56 PM Jessica B: *loff*
9:30:03 PM Jessica B: *true dat*
9:30:26 PM Annie Chien: EXPLAIN nucleotide excision repair enzymes
9:30:30 PM Annie Chien: AH HA!
9:30:31 PM Jessica B: *WHAT*
9:30:43 PM Jessica B: *MS. CHIEN WHAT ARE U THINKING*
9:30:45 PM Annie Chien: YEP
9:30:46 PM Jessica B: *we need steph*
9:30:49 PM Annie Chien: ITS IN MY POWERPOINT
9:30:50 PM Jessica B: *:-)*
9:30:52 PM Annie Chien: THAT I SHOWED YOU
9:30:52 PM Jessica B: *oofi*
9:30:59 PM Annie Chien: THAT MOST OF YOU DIDNT WRITE DOWN !!!!!!!!!!!!!!!!!!!!!!!!!!!!!
9:31:14 PM Annie Chien: THIS IS WHY I DONT LIKE TO GIVE OUT POWERPOINTS!
9:31:24 PM Jessica B: *nooo*
9:31:25 PM Jessica B: *noooo*
9:31:28 PM Jessica B: *nooooooooooooo*
9:31:30 PM Annie Chien: WHAT IS nucleotide excision repair enzymes
9:31:40 PM Jessica B: *i gotta go look it up*
9:31:41 PM Angela R: h.o
9:31:55 PM Brielle LH: *none of the pictures on that show up on my computers*
9:32:02 PM Brielle LH: *so its just a bunch of words*
9:32:10 PM Annie Chien: I UPLOADED A NEWER VERSION
9:32:12 PM Annie Chien: DOWNLOAD THAT
9:32:23 PM Jessica B: *i se dat*
9:32:25 PM Angela R: im listeneing to the recorder

9:32:26 PM Jessica B: *i like lite pic*
9:32:26 PM Angela R: lol
9:32:27 PM Jessica B: *lol*
9:32:31 PM Jessica B: *recorder???*
9:32:39 PM Brielle LH: *i tried that*
9:32:41 PM Angela R: member liane recorded the class
9:32:44 PM Brielle LH: *not even better*
9:32:53 PM Angela R: mine works
9:32:57 PM Annie Chien: THE PICS WILL COME OUT
9:33:06 PM Jessica B: *oof*
9:33:07 PM Annie Chien: REFRESH YOUR BROWSER AND DO IT AGAIN!
9:33:07 PM Jessica B: *ok*
9:33:11 PM Annie Chien: WELLL????????????????????
9:33:12 PM Annie Chien: nucleotide excision repair enzymes
9:33:34 PM Brielle LH: *stop*
9:33:35 PM Brielle LH: *im looking*
9:33:46 PM Jessica B: *je ne sais pas ms. chien*
9:33:50 PM Jessica B: *sais***
9:33:57 PM Annie Chien: MR. CHIEN SAYS, "I DONT EVEN KNOW THE ANSWERS TO THIS TEST"
9:34:00 PM Annie Chien: nucleotide excision repair enzymes
9:34:03 PM Angela R: it is a team of enzymes the repair damaged dna
9:34:07 PM Annie Chien: ANGELA GOOD
9:34:09 PM Angela R: lol
9:34:11 PM Angela R: yay
9:34:14 PM Annie Chien: LIST THEM AND TELL ME WHAT EACH DOES
9:34:34 PM Angela R: dna polymerase proofreads dna
9:35:16 PM Angela R: nuclease removes the damaged dna by cutting it in 2 places
9:35:28 PM Angela R: thymine distorts the dna molecule
9:35:32 PM Angela R: wats distorts??
9:35:46 PM Annie Chien: IT MESSES UP THE SHAPE
9:36:17 PM Annie Chien: THE THYMINE STATEMENT REFERS TO THE DISEASE THAT TALKS ABOUT A MUTATION WHERE IT CAUSES THE DNA TO NOT HAVE nucleotide excision repair enzymes THAT ARE WORKING
9:36:22 PM Annie Chien: ONE MORE ENZYME
9:36:25 PM Annie Chien: WHAT IS IT
9:36:28 PM Angela R: dna ligase seals the free end and connects it with the old one to complete the strand
9:36:36 PM Brielle LH: *rushka!!*
9:36:41 PM Rushka K: hey
9:36:46 PM Annie Chien: RUSH!
9:36:53 PM Rushka K: did i miss a lot?
9:36:53 PM Jessica B: *HIII RUSHKA*
9:36:56 PM Rushka K: hii
9:36:58 PM Brielle LH: *yea*

9:36:58 PM Angela R: some wat
9:37:02 PM Angela R: ill show ya later
9:37:06 PM Rushka K: okk
9:37:11 PM Jessica B: *hehe*
9:37:11 PM Annie Chien: ANGELA GOOOD
9:37:14 PM Jessica B: *i'll show u later*
9:37:15 PM Angela R: yay
9:37:16 PM Jessica B: *hehehe*
9:37:22 PM Brielle LH: *brielle will fail this test*
9:37:27 PM Jessica B: *NO SHE WONT*
9:37:28 PM Angela R: no she wot
9:37:34 PM Annie Chien: NOT THIS AGAIN
9:37:38 PM Annie Chien:
GAAAAAAAAAAAAAAAAAAAAWWWWWWWWWWWWWWWWWWWWDDDDDDDDDDDDDDDDDDDDDD
9:37:40 PM Brielle LH: *and then she will make up for it with the next one*
9:37:44 PM Angela R: lol
9:37:46 PM Annie Chien: ANGELA GOOD JOBIE!
9:37:50 PM Alixa2010: YAY
9:37:51 PM Brielle LH: *alex!!*
9:37:53 PM Jessica B: *HELLOO*
9:37:54 PM Angela R: yay
9:37:55 PM Alixa2010: hey all
9:38:00 PM Brielle LH: *where's steph?!!*
9:38:01 PM Angela R: hi alex
9:38:05 PM Angela R: not here
9:38:07 PM Angela R: lol
9:38:09 PM Angela R: imma call her
9:38:13 PM Brielle LH: *obviously*
9:38:15 PM Brielle LH: *loser*
9:38:18 PM Annie Chien: OK NAME ONE DISEASE WHERE A MUTATION RESULTS IN THE
FUNCTION OF nucleotide excision repair enzymes
9:38:19 PM Alixa2010: haha be nice
9:38:30 PM Brielle LH: *cancer?*
9:38:33 PM Brielle LH: *lol*
9:38:40 PM Annie Chien: GOOD
9:38:43 PM Angela R: skin cancer
9:38:46 PM Annie Chien: ANOTHER ONE , ONE WHICH WE STUDIED IN CLASS
9:38:47 PM Jessica B: *yes*
9:38:52 PM Angela R: idk
9:38:59 PM Jessica B: *skin cancer*
9:39:04 PM Annie Chien: ITS IN THE POWERPOINT
9:39:04 PM Angela R: she didnt pik up.. stepha
9:39:11 PM Alixa2010: ummm
9:39:13 PM Jessica B: *angela said it*
9:39:15 PM Brielle LH: *ally??*

9:39:22 PM Angela R: lung cancer
9:39:29 PM Annie Chien: ITS A SKIN DISORDER
9:39:33 PM Annie Chien: LOOK AT THE POWERPOINT!
9:39:37 PM Alixa2010: OOOOh thwe sunlight thing
9:39:42 PM Jesica B: *lol*
9:39:45 PM Angela R: **Xeriderma Pigmentosum**
9:39:46 PM Brielle LH: *big help*
9:39:49 PM Annie Chien: ANGELA YES
9:39:50 PM Alixa2010: yeah!
9:39:58 PM Jesica B: *ahhhhhhhhh*
9:40:04 PM Angela R: yay
9:40:06 PM Annie Chien: WAIT LET ME STAPLE ALEX'S TEST
9:40:07 PM Brielle LH: *that's gigantic for no reason*
9:40:12 PM Angela R: lol
9:40:18 PM Angela R: i cpy and pasted
9:40:19 PM Angela R: lol
9:40:28 PM Annie Chien: OK
9:40:29 PM Angela R: sorry
9:40:36 PM Brielle LH: *failure*
9:40:37 PM Alixa2010: wait what about my test
9:40:39 PM Annie Chien: HERE IS A TRICKY ONE
9:40:40 PM Alixa2010: ?
9:40:42 PM Alixa2010: ok
9:40:45 PM Annie Chien: I WAS STAPLING IT
9:40:46 PM Brielle LH: *whateva*
9:40:51 PM Angela R: g mschien
9:40:53 PM Alixa2010: alright
9:40:55 PM Angela R: hit meeeee!!!!
9:40:55 PM Jesica B: *WHATS GOING ONNN*
9:40:57 PM Jesica B: *IM LOSTTT*
9:41:02 PM Jesica B: *like always*
9:41:02 PM Angela R: lol
9:41:04 PM Alixa2010: we're getting another q jes
9:41:04 PM Jesica B: *lol*
9:41:08 PM Jesica B: *ooh ok*
9:41:15 PM Alixa2010: shoot
9:41:17 PM Annie Chien: 30% OF THE BASES IN A SAMPLE OF DNA EXTRACTED FROM EUKARYOTIC CELLS IS ADENINE. WHAT % OF CYTOSINE IS PRESENT IN THIS DNA?
9:41:25 PM Jesica B: *ooh nooo*
9:41:28 PM Alixa2010: 70
9:41:28 PM Angela R: 90
9:41:29 PM Angela R: lolo
9:41:30 PM Alixa2010: ?
9:41:32 PM Jesica B: *lol*
9:41:33 PM Annie Chien: NO

9:41:34 PM Annie Chien: NI
9:41:35 PM Annie Chien: NO
9:41:36 PM Jesica B: *20*
9:41:39 PM Alixa2010: 30
9:41:41 PM Alixa2010: ?
9:41:41 PM Angela R: 50
9:41:42 PM Annie Chien: JES YES
9:41:45 PM Jesica B: *YEAHHH*
9:41:46 PM Alixa2010: WHY
9:41:48 PM Angela R: yay jes!!!!!!!!!!!!!!1
9:41:49 PM Alixa2010: ?
9:41:50 PM Annie Chien: JES- WHY
9:41:53 PM Jesica B: *ooh nooo*
9:41:59 PM Annie Chien: SLAP!
9:42:04 PM Angela R: lol
9:42:18 PM Jesica B: *ok umm lets seee if 30 is adenine ...lol*
9:42:18 PM Jesica B: *idk*
9:42:25 PM Jesica B: *loff*
9:42:27 PM Jesica B: *im sorory*
9:42:34 PM Annie Chien: THEN HOW MUCH CONSISTS OF ITS COMPLEMENTARY BASE?
9:42:34 PM Alixa2010: did you just guess>?
9:42:39 PM Jesica B: *i forgot y steph explaiend it soo well*
9:42:42 PM Jesica B: *and i understood*
9:42:43 PM Alixa2010: OOOH no i get it
9:42:46 PM Brielle LH: **80?**
9:42:47 PM Alixa2010: ahaha its simple srry
9:42:49 PM Brielle LH: **no**
9:42:50 PM Brielle LH: **20**
9:42:55 PM Jesica B: *loff*
9:43:00 PM Angela R: cytosines complementary is 30
9:43:02 PM Alixa2010: yeah cuz two completmentary make up 5 perscent
9:43:02 PM Angela R: ?????
9:43:03 PM Annie Chien: 30 A = _____ T?
9:43:10 PM Angela R: 20
9:43:10 PM Brielle LH: **30**
9:43:16 PM Alixa2010: 50% percent srry
9:43:18 PM Annie Chien: OK THATS 40% LEFT
9:43:26 PM Annie Chien: SO
9:43:28 PM Jesica B: *WHATTT*
9:43:29 PM Brielle LH: **what??**
9:43:42 PM Annie Chien: 30 A + 30 T = 60%
9:43:47 PM Annie Chien: WE HAVE 40% LEFT
9:43:50 PM Angela R: each complementary bases make up 50 % together
9:43:58 PM Angela R: why 30??
9:43:59 PM Angela R: ohhh

9:44:05 PM Angela R: ok so they are the same number
9:44:08 PM Annie Chien: YES
9:44:10 PM Angela R: 20 and 20
9:44:11 PM Annie Chien: ANGELA
9:44:11 PM Annie Chien: YES
9:44:13 PM Annie Chien: GOOD
9:44:18 PM Angela R: yaya
9:44:25 PM Jesica B: *soo wait*
9:44:26 PM Annie Chien: WHAT IS THE SEMICONSERVATIVE MODEL OF DNA
9:44:28 PM Jesica B: *wait*
9:44:29 PM Jesica B: *wait*
9:44:30 PM Jesica B: *wait*
9:44:37 PM Angela R: complemmantary means opposite or the same
9:44:38 PM Angela R: ???
9:44:39 PM Brielle LH: *one that brielle doesnt remember*
9:44:56 PM Jesica B: *adenine and thymine must equal 60*
9:44:58 PM Jesica B: *????*
9:45:08 PM Annie Chien: YES
9:45:15 PM Annie Chien: COMPLEMENTARY MEANS THEY ARE A PAIR
9:45:17 PM Brielle LH: *semiconservative*
9:45:25 PM Annie Chien: LIKE YOU AND FRANK ARE NOT COMPLEMENTARY
9:45:25 PM Rushka K: ok so i feel like an idiot and retard because i have absolutely no idea what this is about
9:45:26 PM Jesica B: *so what should lite other two equal*
9:45:28 PM Rushka K: at all
9:45:30 PM Brielle LH: *dna rep creates 2 molecules*
9:45:32 PM Rushka K: !!!
9:45:41 PM Angela R: lol
9:45:42 PM Angela R: ok
9:45:50 PM Annie Chien: RUSHKA CHECK OUT THE VIDEO!
9:45:53 PM Brielle LH: *and it would consist of a parent and daughter strand*
9:45:54 PM Angela R: 40
9:45:56 PM Rushka K: what video?
9:45:56 PM Jesica B: *what is cytosine and guyanine suppose to equal*
9:46:03 PM Brielle LH: *40?*
9:46:11 PM Angela R: 40
9:46:14 PM Annie Chien: YES BECAUSE ONE CYTOSINE IS ALWAYS BONDED WITH ONE GUANINE
9:46:19 PM Jesica B: *ooh ok*
9:46:20 PM Angela R: yupperws
9:46:35 PM Alixa2010: i missed that srry could someone reiterate
9:46:41 PM Angela R: wat??
9:46:45 PM Jesica B: *loff*
9:46:46 PM Angela R: dont use big words
9:46:47 PM Angela R: lol

9:46:48 PM Annie Chien: RUSHKA:
http://www.youtube.com/watch?v=teV62zrm2P0&eurl=http%3A%2F%2Fvideo.google.com%2Fvideosearch%3Fq%3DDNA%2520replication%26oe%3Dutf-8%26rls%3Dorg.mozilla%3Aen-US%3Aofficial%26client%3Df&feature=player_embedded

9:47:31 PM Annie Chien: SOMEONE DO SEMICONSERVATIVE MODEL AGAIN???

9:47:39 PM Alixa2010: could someone explain it

9:47:44 PM Angela R: please

9:47:54 PM Angela R: im not sure about this one adn u told me yesterday

9:47:56 PM Angela R: i forgot

9:47:56 PM Angela R: lol

9:47:59 PM Brielle LH: ok

9:48:06 PM Brielle LH: so 2 parent strand separate

9:48:11 PM Alixa2010: oh ok tow stands seperate make daughter strands

9:48:11 PM Angela R: o

9:48:20 PM Angela R: wow

9:48:22 PM Angela R: she left

9:48:24 PM Angela R: keep goin

9:48:27 PM Angela R: lol

9:48:37 PM Brielle LH: then they each make new dna

9:48:39 PM Annie Chien: <http://www.accessexcellence.org/RC/VL/GG/images/possible.gif>

9:48:44 PM Brielle LH: wit one daughter and one parent

9:48:50 PM Angela R: ohhhh

9:49:03 PM Annie Chien: WHICH ONE OF THE PARENT DNA IS THE TEMPLATE (TRICK QUESTION)

9:49:12 PM Brielle LH: both

9:49:16 PM Annie Chien: BRIELLE GOOD

9:49:19 PM Brielle LH: yea!!

9:49:26 PM Annie Chien: WHAT IS THE ROLE OF NUCLEASE?

9:49:59 PM Brielle LH: they remove the wrong nucleotides from the daughter strands

9:50:05 PM Angela R: wait explain the last one???

9:50:05 PM Annie Chien: BRIELLE GOOD

9:50:09 PM Brielle LH: yea!!

9:50:16 PM Brielle LH: i found this really good website

9:50:18 PM Annie Chien: BRIELLE EXPLAIN THE LAST ONE THAT ANGELA IS REFERRING TO

9:50:22 PM Annie Chien: IS MEL ASLPEEP????

9:50:25 PM Brielle LH: what last one?

9:50:41 PM Annie Chien: ABOUT WHICH OF THE DNA IN THE PARENT DNA SERVES AS THE TEMPLATE

9:50:42 PM Angela R: the both anwer one

9:50:44 PM Angela R: yea

9:50:50 PM Brielle LH: ok

9:51:03 PM Brielle LH: since the 2 parent strands split

9:51:11 PM Angela R: yup

9:51:35 PM Brielle LH: they both serve as templates for 2 new dna molecules

9:51:36 PM Angela R: the parents are used for the diferent sets??

9:51:41 PM Brielle LH: *yea*

9:51:43 PM Angela R: ok

9:51:44 PM Angela R: yay

9:51:46 PM Angela R: i got it

9:52:03 PM Brielle LH: *one parent strand makes a new molecule with itself and its daughter*

9:52:05 PM Angela R: next wuestion

9:52:10 PM Brielle LH: *and the other does the same*

9:52:10 PM Angela R: yea

9:52:15 PM Angela R: yup

9:52:23 PM Annie Chien: GOOD GOOD GOOD

9:52:33 PM Angela R: hi alex

9:52:35 PM Angela R: once again

9:52:36 PM Angela R: lol

9:52:39 PM Brielle LH: *yea*

9:52:41 PM Alixa2010: Hey i hate my computer

9:52:44 PM Angela R: awww

9:52:51 PM Angela R: i love you

9:52:53 PM Brielle LH: *i found this really good site*

9:52:58 PM Annie Chien: OH YEAH WHERE?

9:52:58 PM Alixa2010: what are we talking about

9:53:05 PM Annie Chien: SEMICONSERVATIVE MODEL

9:53:07 PM Brielle LH: *h.o.*

9:53:09 PM Jesica B: *mi feel like some is poking me with needles all over my back*

9:53:10 PM Angela R: nuthing nowlol

9:53:11 PM Jesica B: *this hurtsss*

9:53:17 PM Angela R: awww

9:53:21 PM Angela R: poor baby

9:53:23 PM Jesica B: *i no*

9:53:31 PM Angela R: wat website

9:53:35 PM Brielle LH:
http://www.phschool.com/science/biology_place/biocoach/dnarep/model.html

9:53:41 PM Alixa2010: ok the two stranded split with the daughter strands

9:53:50 PM Jesica B: *oooh that is good*

9:53:52 PM Brielle LH: *that space is an underschore*

9:53:58 PM Annie Chien: GOOD GOOD SITE!

9:54:02 PM Brielle LH: *underscore**.

9:54:11 PM Brielle LH: *yea!!*

9:54:11 PM Angela R: nice place

9:54:13 PM Angela R: i like it

9:54:14 PM Angela R: lol

9:54:25 PM Alixa2010: mhmm

9:54:26 PM Angela R: :-*

9:54:34 PM Brielle LH: *yea!! me*

9:54:36 PM Angela R: thats for brielle

9:54:37 PM Angela R: lol
9:54:46 PM Brielle LH: :-*
9:54:46 PM Angela R: dont be london tipton
9:54:47 PM Angela R: lol
9:54:49 PM Brielle LH: lol
9:54:51 PM Annie Chien: NEXT QUESTION
9:54:54 PM Angela R: yes!!
9:55:02 PM Annie Chien: WHEN DOES DNA PROOFREADING AND REPAIR OCCUR?
9:55:12 PM Angela R: after it replicates
9:55:15 PM Angela R: ??
9:55:26 PM Jesica B: *at the end of the lagging strand*
9:55:30 PM Annie Chien: WHEN
9:55:31 PM Annie Chien: WHEN
9:55:34 PM Jesica B: *lol*
9:55:45 PM Angela R: during dna replication
9:55:49 PM Alixa2010: yeah
9:55:58 PM Annie Chien: ANGELA YES
9:55:58 PM Alixa2010: during
9:55:59 PM Angela R: proofreading occurs then
9:56:03 PM Annie Chien: THERE ARE TWO TIMES
9:56:08 PM Annie Chien: DURING AND AFTER REPLICATION
9:56:14 PM Jesica B: *ummafter the RNA Polmerase I replace RNA with DNA*
9:56:20 PM Angela R: after dna synthesis completes
9:56:27 PM Alixa2010: ok then
9:56:55 PM Annie Chien: HERE IS A SUPER HARD QUESTION
9:57:02 PM Brielle LH: dammit
9:57:05 PM Angela R: oh dear
9:57:13 PM Brielle LH: china
9:57:13 PM Alixa2010: ok
9:57:14 PM Brielle LH: lol
9:57:18 PM Angela R: lmao
9:57:22 PM Alixa2010: yeah
9:57:24 PM Alixa2010: yay
9:57:26 PM Angela R: i love asian ppl
9:57:30 PM Alixa2010: wow...
9:57:32 PM Alixa2010: lol
9:57:34 PM Angela R: lol
9:57:41 PM Rushka K: i loe all types of ppl
9:57:42 PM Rushka K: :-D
9:57:42 PM Angela R: ;-)
9:57:47 PM Rushka K: love^
9:57:47 PM Angela R: lmao
9:57:47 PM Jesica B: *lool*
9:57:53 PM Angela R: i love trini ppl
9:57:55 PM Alixa2010: question?

9:57:59 PM Angela R: and guyanese ppl
9:58:00 PM Rushka K: waiting
9:58:03 PM Angela R: and white ppl
9:58:03 PM Brielle LH: *that monkey looks just like you rushka*
9:58:04 PM Brielle LH: lol
9:58:06 PM Angela R: and black ppl
9:58:08 PM Alixa2010: YEAH
9:58:10 PM Angela R: and orange ppl
9:58:10 PM Rushka K: thanks brielle
9:58:11 PM Rushka K: lol
9:58:16 PM Angela R: but especially peruvians
9:58:17 PM Brielle LH: *anytime*
9:58:18 PM Annie Chien: HODL ON
9:58:22 PM Alixa2010: ok
9:58:24 PM Angela R: lol
9:58:27 PM Brielle LH: *come on ms chien!!*
9:58:33 PM Jesica B: *what are we talking about*
9:58:37 PM Angela R: loving ppl
9:59:09 PM Jesica B: *loll*
9:59:11 PM Jesica B: *ahh i c i c*
9:59:14 PM Jesica B: *I LOVE ALL U GUYS*
9:59:21 PM Jesica B: *i mean girls*
9:59:23 PM Brielle LH: *i hate the world*
9:59:25 PM Jesica B: *lloll*
9:59:30 PM Jesica B: *ooh nooo y breille*
9:59:31 PM Brielle LH: *including everyone in it*
9:59:32 PM Brielle LH: lol
9:59:35 PM Jesica B: *:/*
9:59:37 PM Brielle LH: jk
9:59:40 PM Jesica B: *im swwiee*
9:59:55 PM Annie Chien: <http://highered.mcgraw-hill.com/olc/dl/120076/bio22.swf>
10:00:07 PM Annie Chien: HOW DOES THAT EXPERIMENT PROVE THAT DNA REPLICATION IS SEMICONSERVATIVE?
10:01:29 PM Annie Chien: AH HA!
10:01:39 PM Angela R: it said the 2 parent strands seve as template
10:01:43 PM Angela R: serve*
10:01:55 PM Angela R: there fore semiconservative
10:01:56 PM Angela R: lol
10:02:01 PM Jesica B: *lol*
10:02:03 PM Annie Chien: ahahaha
10:02:10 PM Annie Chien: got to explain in terms of the experiment!
10:02:14 PM Angela R: wow
10:02:22 PM Alixa2010: the density showed that only one strand carries on throughout each cesium gradient
10:02:24 PM Jesica B: *MY BRAIN HURTS*

10:02:42 PM Alixa2010: well the containers
10:02:52 PM Jesica B: *so the N 14 floats on the top and the N 15 sinks to the bottom*
10:02:59 PM Annie Chien: ok
10:03:02 PM Rushka K: i ont get that. the N14 and N15 and stuff
10:03:02 PM Jesica B: *and then....*
10:03:08 PM Rushka K: :!(
10:03:14 PM Jesica B: *the two combine*
10:03:15 PM Annie Chien: so jes how doe sthat show semiconservatism
10:03:16 PM Annie Chien: <http://highered.mcgraw-hill.com/olc/dl/120076/bio22.swf>
10:03:20 PM Annie Chien: check out that video!
10:03:22 PM Annie Chien: its cool!
10:03:33 PM Annie Chien: tomorrow night you all will get a video homework!
10:03:36 PM Annie Chien: vdeos are cool
10:03:58 PM Jesica B: *the N 15 splits into tow jus like the N 14 and tefn one stand from each join tgether*
10:04:00 PM Jesica B: ???
10:04:06 PM Annie Chien: jesica yes!!!!!!!!!!!!!!!!!!!!!!
10:04:10 PM Annie Chien: jesica!!!!!!!!!!!!!!!!!!!!!!
10:04:18 PM Jesica B: *YEA!!!!!!!!!!!!!!*
10:04:18 PM Brielle LH: *the experiment shows how the final dna strands were formed from the parent strands and the daughter strands of each parent*
10:04:23 PM Alixa2010: the bacteria yeilded a single band of DNA indicating that one one strans of each deuplex contained 15N THUS showing the split and the semi conservative thigny
10:04:31 PM Alixa2010: poop im too slow
10:04:34 PM Jesica B: *lol*
10:04:37 PM Brielle LH: *shut up alex*
10:04:45 PM Brielle LH: *ur tryna use too manu big words*
10:04:47 PM Jesica B: *OUCH!!!*
10:04:47 PM Brielle LH: *lol*
10:04:50 PM Brielle LH: *many**
10:04:53 PM Brielle LH: *lol*
10:05:02 PM Jesica B: *ahhahaha*
10:05:06 PM Annie Chien: big words = big college = big money
10:05:09 PM Jesica B: *lol*
10:05:15 PM Jesica B: *so not me*
10:05:20 PM Brielle LH: *yea right*
10:05:22 PM Alixa2010: because thingy is a big word lol
10:05:26 PM Annie Chien: alex is practicing for those characters that are intellectualals
10:05:31 PM Annie Chien: intellectuals
10:05:33 PM Jesica B: *lol*
10:05:35 PM Brielle LH: *i can get into a good college*
10:05:42 PM Brielle LH: *without using big words*
10:05:42 PM Jesica B: *RUSHKA ARE U OK*
10:05:44 PM Angela R: oookkkkk

10:05:47 PM Angela R: help!!!!!!!!!!!!!!!!!!!!11

10:05:49 PM Annie Chien: you use big words brielle what are you talking abouttttttttttt

10:05:53 PM Annie Chien: <http://higherred.mcgraw-hill.com/olc/dl/120076/bio22.swf>

10:05:53 PM Angela R: lol

10:05:54 PM Brielle LH: no i dont

10:05:55 PM Annie Chien: that video

10:05:59 PM Brielle LH: what next?

10:05:59 PM Angela R: i dont get it

10:06:03 PM Annie Chien: is the same problem in our homework last week!

10:06:10 PM Angela R: why does it show that its semi consevative??

10:06:10 PM Jesica B: *AHH*

10:06:17 PM Angela R: wat hw

10:06:19 PM Brielle LH: which i either didnt do or didnt get

10:06:23 PM Angela R: explain

10:06:27 PM Angela R: lol

10:06:28 PM Angela R: same

10:06:32 PM Alixa2010: because it shows the split of DNA

10:06:41 PM Alixa2010: and how only one starnad carries on

10:06:49 PM Brielle LH: whats a starnad?

10:06:52 PM Brielle LH: lol

10:06:53 PM Annie Chien: strand

10:06:53 PM Brielle LH: jk

10:07:14 PM Annie Chien: ok

10:07:22 PM Alixa2010: yeah

10:07:24 PM Annie Chien: did everyone look at the video

10:07:26 PM Alixa2010: STRAND

10:07:28 PM Annie Chien: LOOOOK at the video

10:07:28 PM Jesica B: *yea*

10:07:28 PM Annie Chien: !

10:07:33 PM Annie Chien: brielle?

10:07:34 PM Angela R: isnt semi conservative two strands???

10:07:38 PM Annie Chien: yes

10:07:40 PM Angela R: i did

10:07:59 PM Angela R: so how is it that one carries on??

10:08:00 PM Annie Chien: the scientist lagged two sets of dna, one with n14, and another with n15

10:08:06 PM Annie Chien: then he put them together

10:08:12 PM Annie Chien: and let them replicate

10:08:21 PM Angela R: yea

10:08:21 PM Annie Chien: so the daughter DNA has one n14 and n15

10:08:22 PM Angela R: sooo

10:08:23 PM Annie Chien: right?

10:08:24 PM Annie Chien: ok

10:08:29 PM Angela R: ohhh

10:08:30 PM Angela R: ok

10:08:31 PM Annie Chien: so then he let THAT one replicate

10:08:34 PM Annie Chien: so
10:08:43 PM Annie Chien: that one used BOTH strands as templates
10:08:51 PM Annie Chien: so you get one dna with all n14 and one with all n15
10:08:53 PM Angela R: so there is one of each
10:08:56 PM Annie Chien: yes
10:08:57 PM Angela R: n14 and n15
10:08:59 PM Annie Chien: yes
10:08:59 PM Brielle LH: *i'm right here*
10:09:01 PM Annie Chien: :-)
10:09:06 PM Angela R: yay
10:09:07 PM Angela R: ok
10:09:08 PM Brielle LH: *i went to get sum cereal ms chien*
10:09:14 PM Jesica B: *lol*
10:09:16 PM Brielle LH: *im hungry and i didnt eat yet*
10:09:22 PM Annie Chien: i had coldstone icecream for dinner
10:09:23 PM Jesica B: *awwwwwwww*
10:09:28 PM Angela R: yunny
10:09:31 PM Angela R: yummy*
10:09:35 PM Jesica B: *i had chicken curry*
10:09:36 PM Jesica B: *hehe*
10:09:37 PM Angela R: im hungry now
10:09:39 PM Angela R: lol
10:09:44 PM Angela R: u guyanese person
10:09:45 PM Angela R: lol
10:09:47 PM Jesica B: *lol*
10:09:54 PM Jesica B: *it taste soo good*
10:09:55 PM Annie Chien: true or false: replication forks represent areas of active DNA synthesis on the chromosomes
10:10:07 PM Jesica B: *True?*
10:10:12 PM Annie Chien: jesica yes
10:10:14 PM Jesica B: *yeaaa*
10:10:17 PM Angela R: why
10:10:20 PM Brielle LH: *i dont get it*
10:10:42 PM Jesica B: *b/c thats where all the polymerase are*
10:10:44 PM Annie Chien: true or false: ligases and polymerases function in the vicinity of replication forks
10:10:57 PM Annie Chien: jesica yes!
10:11:03 PM Angela R: vicinity??
10:11:10 PM Brielle LH: *and??*
10:11:12 PM Annie Chien: vicinity = around the area
10:11:22 PM Angela R: sooo wat if thats were the polymerase are??
10:11:34 PM Jesica B: *True??*
10:11:34 PM Brielle LH: *true*
10:11:43 PM Annie Chien: thats where the replication fork is
10:11:52 PM Brielle LH: *true*

10:11:54 PM Brielle LH: true
10:11:55 PM Brielle LH: true
10:11:56 PM Brielle LH: true
10:11:58 PM Jesica B: *trueeeeeeeeeeeeeeeeeeeee*
10:12:21 PM Annie Chien: true or false: okazaki fragments are synthesized as part of the leading strand
10:12:25 PM Angela R: i still dont get the first one
10:12:26 PM Brielle LH: *im a cereal killer ladies*
10:12:29 PM Angela R: i get the second
10:12:33 PM Brielle LH: false
10:12:35 PM Brielle LH: *lagging*
10:12:38 PM Annie Chien: brielle good
10:12:40 PM Angela R: false
10:12:47 PM Brielle LH: *yea!!*
10:12:49 PM Annie Chien: good
10:13:00 PM Brielle LH: *im a cereal killer*
10:13:06 PM Brielle LH: *im a cereal killer*
10:13:08 PM Angela R: Imao
10:13:09 PM Angela R: loser
10:13:12 PM Brielle LH: lol
10:13:15 PM Jesica B: *wait*
10:13:16 PM Jesica B: *wait*
10:13:24 PM Annie Chien: **QUESTION: WHERE DO ALL THE NUCLEOTIDES COME FROM THAT ARE USED IN DNA REPLICATION?**
10:13:25 PM Jesica B: *its part of the laggin strand rite*
10:13:26 PM Angela R: i dont eget the first on
10:13:29 PM Jesica B: *so its false*
10:13:31 PM Annie Chien: JESICA YES
10:13:36 PM Jesica B: *mad late*
10:13:49 PM Brielle LH: *the original dna*
10:13:54 PM Brielle LH: *the parents?*
10:13:57 PM Annie Chien: NO
10:13:58 PM Annie Chien: NO
10:14:04 PM Annie Chien: LOOKING FOR A MORE GENERAL ANSWER
10:14:15 PM Brielle LH: **DNA**
10:14:16 PM Brielle LH: lol
10:14:19 PM Annie Chien: NO
10:14:28 PM Annie Chien: OUR DNA IS BEING SUED AS TEMPLATES OR IS BEING COPIED
10:14:38 PM Angela R: our cell
10:14:40 PM Angela R: lol
10:14:42 PM Annie Chien: BUT WHERE DO THE EXTRA NUCLEOTIDES COME FROM? WE NEED THESE TO MAKE THE COPIES
10:14:42 PM Angela R: nucleaus
10:14:55 PM Brielle LH: *h.o.*

10:18:19 PM Annie Chien: THE NDA REPLICATION BUBBLES THAT YOU MENTIONED!
10:18:23 PM Annie Chien: THEY OPEN
10:18:26 PM Annie Chien: BY HELICASE
10:18:35 PM Brielle LH: *i dont know what bubbles*
10:18:45 PM Brielle LH: *was i here?*
10:19:00 PM Alixa2010: replication fork?
10:19:05 PM Brielle LH: *well in school?*
10:19:05 PM Angela R: ohhh
10:19:17 PM Annie Chien: YES
10:19:18 PM Angela R: ok... sooo wat iff they open???
10:19:25 PM Angela R: lol
10:19:25 PM Brielle LH: *i dont get it*
10:19:28 PM Annie Chien: WHERE DO ALL THE ENZYMES GO???
10:19:35 PM Annie Chien: WHERE ARE THEY NEEDED THE MOST?
10:19:35 PM Angela R: in the bubble??
10:19:39 PM Annie Chien: WHICH PART?
10:19:40 PM Brielle LH: *active site*
10:19:45 PM Annie Chien: WHICH PART??????
10:19:48 PM Angela R: the middle of the fork
10:19:49 PM Angela R: lol
10:19:52 PM Annie Chien: NOOOOOOOOO
10:19:55 PM Angela R: ohhh
10:19:56 PM Angela R: haha
10:20:15 PM Annie Chien: WHERE ARE DNA POLYMERASE III, LIGASE, ETC --- WHERE ARE THEY ALL AT???
10:20:16 PM Angela R: idk
10:20:21 PM Jesica B: *FORK*
10:20:27 PM Jesica B: *laggin strand*
10:20:33 PM Annie Chien: JESICA YES
10:20:37 PM Angela R: ohhhh ok
10:20:39 PM Brielle LH: *what is the bubble and where did it come from?*
10:20:44 PM Annie Chien: SO YOU KNOW WHY ITS A FORK???
10:20:47 PM Annie Chien: "FORK"
10:20:55 PM Jesica B: *yes*
10:20:58 PM Brielle LH: *cuz its splits into 2*
10:20:58 PM Jesica B: *nooo*
10:21:00 PM Annie Chien: HOW THAT END OF THE REPLICATION BUBBLE IS CALLED THE "REPLICATION FORK"
10:21:01 PM Angela R: it makes it look like one
10:21:04 PM Jesica B: *i dont get the whole fork thing*
10:21:10 PM Angela R: when the one side of the bubble opens
10:21:13 PM Annie Chien: YES
10:21:16 PM Jesica B: *ooh ok*
10:21:23 PM Brielle LH: *what bubble???!?*
10:21:24 PM Annie Chien: LOOSK LIKE SOME WHAT OF A FORK

10:21:35 PM Annie Chien: SOMEONE EXPLAIN THE BUBBLE OR SHOW THE BUBBLE
10:21:38 PM Brielle LH: like a fork in the road
10:21:45 PM Brielle LH: yea help me
10:22:10 PM Jesica B: *what bubble*
10:22:13 PM Annie Chien: MY CAT IS SITTING ON YOUR TESTS
10:22:14 PM Jesica B: *did i miss something*
10:22:18 PM Jesica B: *heheeh*
10:22:23 PM Jesica B: *can he/she poop on it*
10:22:26 PM Angela R: Imao
10:22:27 PM Jesica B: *so we dont have to take it*
10:22:29 PM Angela R: ewwwwwwwwwwwwwww
10:22:31 PM Annie Chien: SHE WANTS TO TAKE THE TEST
10:22:32 PM Jesica B: *LMFAOO*
10:22:36 PM Angela R: lol
10:22:36 PM Jesica B: *loll*
10:22:38 PM Angela R: hahahah
10:22:42 PM Angela R: do you have webcam
10:22:44 PM Annie Chien: SOMEONE EXPLAIN THE BUBBLE TO BRIELLE
10:22:45 PM Brielle LH: no she wants to pee on them
10:22:46 PM Angela R: i wanna seee
10:22:50 PM Jesica B: *loll*
10:22:58 PM Jesica B: *ms chien i think u should scan the test to us*
10:23:02 PM Jesica B: *im jus saying*
10:23:05 PM Brielle LH: what bubble??
10:23:09 PM Brielle LH: what is that?/
10:23:12 PM Annie Chien: BUBBLE????????????????!!!!!!!!!!!!!!!!!!!!!!!!!!!!
10:23:13 PM Brielle LH: sum1 tell me
10:23:16 PM Jesica B: *yea idk either*
10:23:20 PM Annie Chien: WHAT!
10:23:35 PM Brielle LH: u said ask questions
10:23:41 PM Brielle LH: well no1 is answerin mine
10:23:44 PM Annie Chien: http://www.svusd.org/hp_images/1752/D23427-Replication%20Bubbles.jpg
10:23:50 PM Annie Chien: HERE IS AN IMAGE
10:24:35 PM Angela R: it is the origin of the replication
10:24:36 PM Jesica B: *dats somewhat confusing*
10:24:42 PM Jesica B: *i like th eimage thats in my head*
10:24:51 PM Brielle LH: lol
10:24:55 PM Brielle LH: i dont get it
10:24:58 PM Jesica B: *image***
10:24:58 PM Angela R: where the two parental strands separate
10:25:04 PM Annie Chien: WHEN HELICASE OPENS THE DNA FOR REPLICATION IT LOOKS LIKE A BUBBLE
10:25:12 PM Angela R: yea

10:25:13 PM Brielle LH: *whatever*

10:25:13 PM Annie Chien: ITS EXPOSING BOTH STRANDS TO BE READ

10:25:15 PM Annie Chien: AND COPIED

10:25:17 PM Alixa2010: yes....

10:25:20 PM Alixa2010: sooooo

10:25:30 PM Brielle LH: ok

10:25:39 PM Brielle LH: *so the 2 little bubbles*

10:25:43 PM Brielle LH: *form one big one*

10:25:58 PM Annie Chien: YES

10:26:00 PM Annie Chien: YOU CAN SAY THAT

10:26:01 PM Brielle LH: *when helicase splits it?*

10:26:04 PM Annie Chien: YES

10:26:07 PM Brielle LH: ok

10:26:22 PM Brielle LH: *ok next question*

10:26:45 PM Annie Chien: CAN YOU DESCRIBE THE PROCESS OF DNA REPLICATION

10:26:47 PM Brielle LH: *is any1 here?!?!>!>!>!*

10:26:56 PM Annie Chien: ITS ONLY YOU AND I BRIELLE

10:27:00 PM Annie Chien: WE ARE THE ONLY STRONG ONES

10:27:11 PM Brielle LH: *1: helicase splits the dna into its two strands*

10:27:12 PM Jessica B: *im here*

10:27:20 PM Angela R: lol

10:27:22 PM Angela R: no im here

10:27:25 PM Brielle LH: ok

10:27:29 PM Brielle LH: *whats 2:*

10:27:30 PM Brielle LH: *?*

10:27:32 PM Angela R: lol

10:27:40 PM Brielle LH: *step 2??*

10:27:40 PM Angela R: the strands are split

10:27:41 PM Jessica B: *binding protien helps make the dna not come otgether agian*

10:27:42 PM Angela R: lol

10:27:47 PM Jessica B: *that #2*

10:27:56 PM Angela R: binding proteins??

10:27:58 PM Annie Chien: OK

10:28:00 PM Annie Chien: GOOD

10:28:16 PM Jessica B: *aka single stranded binding protein*

10:28:18 PM Alixa2010: SBP to keep from annealing

10:28:24 PM Jessica B: *SBP??*

10:28:26 PM Brielle LH: *we already got that*

10:28:38 PM Brielle LH: *stranded binding protein*

10:28:42 PM Brielle LH: = sbp

10:28:45 PM Brielle LH: lol

10:28:55 PM Brielle LH: *so 3:*

10:29:08 PM Jessica B: *for the leading strand RNA polymerase iii goes on the template and replicates it*

10:29:09 PM Annie Chien: OK

10:29:18 PM Brielle LH: 4:
10:29:23 PM Angela R: wait wat binding proteins??
10:29:28 PM Jesica B: *LOLL*
10:29:28 PM Angela R: wat are they...
10:29:40 PM Brielle LH: *that just keeps the strands from binding again*
10:29:46 PM Jesica B: *yea*
10:29:48 PM Annie Chien: OK
10:29:50 PM Angela R: wat kindof proteins
10:29:58 PM Angela R: lol
10:29:59 PM Brielle LH: *ms chien?*
10:30:02 PM Jesica B: *lol*
10:30:03 PM Angela R: i just wanna kno for sure
10:30:09 PM Annie Chien: ITS IN THE BEGINNING OF THE DNA REPLICATION VIDEO
10:30:15 PM Angela R: ok
10:30:22 PM Jesica B: *its a binding protein that prevents the dna from coming together*
10:30:28 PM Angela R: ok
10:30:42 PM Annie Chien: KEEP GOING KEEP GOING
10:31:16 PM Jesica B: *4: the rna primerase creates the first few strasequence of lite lagging strand*
10:31:27 PM Jesica B: *aka primers*
10:31:29 PM Annie Chien: GOOOD
10:31:37 PM Angela R: ok
10:31:39 PM Angela R: 5?
10:31:46 PM Angela R: the llaggin strand
10:31:48 PM Angela R: lol
10:31:55 PM Angela R: right??
10:32:18 PM Angela R: wait isnt the leading strand first
10:32:19 PM Annie Chien: ??????????????
10:32:20 PM Angela R: ??
10:32:22 PM Annie Chien: YES
10:32:24 PM Jesica B: *okazaki fragments are formed on the 3-5 end.... rna polymerase III finishes the sequesnce*
10:32:31 PM Annie Chien: YES
10:32:32 PM Brielle LH: *dna polymerase replaces rna primer with dna?*
10:32:35 PM Annie Chien: KEEP GOING
10:32:41 PM Brielle LH: *then the ligase fills in gaps*
10:32:42 PM Annie Chien: WHICH POLYMERASE?
10:32:45 PM Brielle LH: *connects them*
10:32:46 PM Brielle LH: *3?*
10:32:47 PM Annie Chien: LIGASE GOOD
10:32:51 PM Angela R: so wait wouldnt 4 be for the leading strand??
10:32:52 PM Annie Chien: NO 1
10:32:58 PM Brielle LH: *oo*
10:33:04 PM Brielle LH: *oo yea*
10:33:04 PM Annie Chien: WHAT ABOUT THE LEADING STRAND
10:33:05 PM Brielle LH: *i c*
10:33:15 PM Angela R: number 4 that jes said

10:33:24 PM Annie Chien: OK
10:33:26 PM Brielle LH: *its continuous*
10:33:30 PM Jesica B: *is it one??*
10:33:45 PM Jesica B: *for angela's question*
10:33:48 PM Angela R: wouodnt the primerase create the sequences for the leading strand first nad not the laggin strand??
10:33:51 PM Jesica B: *its rna polymerase one*
10:34:00 PM Jesica B: *??*
10:34:11 PM Brielle LH: *what*
10:34:11 PM Annie Chien: NO THE LEADING STRAND HAS RNA POLYMERASE 3 MAKING ITS STRANDS CONTINUOUSLY
10:34:18 PM Annie Chien: THE LAGGING STRAND IS THE PROBLEM
10:34:23 PM Brielle LH: *ok*
10:34:24 PM Angela R: *ohhh*
10:34:25 PM Jesica B: *yeaa*
10:34:35 PM Annie Chien: NO RNA POLYMERASE I DOES THE REPLACING OF RNA WITH DNA
10:34:35 PM Angela R: *yea i was just alil confused*
10:34:43 PM Jesica B: *then what*
10:34:48 PM Brielle LH: *anything else we should know?*
10:34:53 PM Brielle LH: *or anymore questions?*
10:35:10 PM Annie Chien: ANGELA WHAT ARE OU CONFUSED ABOUT
10:35:17 PM Angela R: *step 4*
10:35:18 PM Angela R: *lol'*
10:35:24 PM Annie Chien: WHAT WAS SAID???
10:35:43 PM Jesica B: *lol*
10:35:44 PM Jesica B: *i give up*
10:35:48 PM Jesica B: *my brain jus hurts*
10:35:49 PM Angela R: **rashre** (10:31:16 PM): *4: the rna primerase creates the first few strasequence of hte lagging strand*

rashre (10:31:27 PM): *aka primers*

10:35:57 PM Annie Chien: OK
10:36:02 PM Annie Chien: WHAT ABOUT IT
10:36:15 PM Brielle LH: *what does it mean?*
10:36:17 PM Jesica B: *i litink, she wants to know what rna primase*
10:36:29 PM Angela R: *no*
10:36:29 PM Jesica B: *omg all my words are wrong*
10:36:31 PM Jesica B: *uhhh*
10:36:32 PM Annie Chien: IT MAKES THE FIRST FEW SEQUENCES
10:36:35 PM Annie Chien: PRIMERS
10:36:36 PM Annie Chien: PRIME
10:36:39 PM Annie Chien: 1ST
10:36:41 PM Jesica B: *lol*
10:36:45 PM Jesica B: *uhhhhhhhhhhh*

10:36:50 PM Angela R: *wat about the leading strand*

10:37:02 PM Jessica B: *it does its job on its own??*

10:37:09 PM Annie Chien: MEANWHILE THE LEADING STRAND IS BEING REPLICATED BY RNA POLYMERASE III

10:37:15 PM Annie Chien: MEANWHILE

10:37:19 PM Jessica B: *ooh*

10:37:21 PM Angela R: but shouldnt it be said in one of the steps

10:37:28 PM Annie Chien: YOU CAN

10:37:34 PM Annie Chien: YOU CAN SAY MEANWHILE THIS HAPPENS...

10:37:34 PM Jessica B: *i did*

10:37:37 PM Brielle LH: *yea u can start with that*

10:37:38 PM Angela R: ok

10:37:40 PM Brielle LH: *and say meanwhile*

10:37:41 PM Jessica B: *it was step # 3*

10:37:52 PM Angela R: wat??

10:38:13 PM Jessica B: *Rashire (10:29:05 PM): for the leading strand RNA polymerase iii goes on the template and replicates it*

10:38:23 PM Angela R: ohhhh

10:38:24 PM Angela R: lol

10:38:26 PM Jessica B: *loll*

10:38:26 PM Angela R: ehhheheheh

10:38:29 PM Angela R: ok

10:38:29 PM Jessica B: *lmaoo*

10:38:30 PM Angela R: sorry

10:38:33 PM Jessica B: *its oookkk*

10:38:36 PM Angela R: i seeeeeeee

10:38:38 PM Angela R: go ahead

10:38:40 PM Jessica B: *lolll*

10:38:47 PM Brielle LH: *next question*

10:38:49 PM Brielle LH: *i guess*

10:39:02 PM Annie Chien: ONE LAST QUESTIN AND IM GOING TO BED

10:39:06 PM Brielle LH: *fine*

10:39:07 PM Angela R: ok

10:39:07 PM Jessica B: *not me*

10:39:12 PM Angela R: i go tmadd hw

10:39:15 PM Jessica B: *i have to study for two more test*

10:39:19 PM Jessica B: *but go on*

10:39:25 PM Brielle LH: *im gonna put this in a word doc and print it tomorrow*

10:39:25 PM Angela R: do we have to answer those questions mschine

10:39:28 PM Angela R: chien!!

10:39:31 PM Angela R: ooppsss

10:39:33 PM Angela R: lol

10:39:34 PM Jessica B: *loll*

10:39:35 PM Angela R: from the hw

10:39:36 PM Annie Chien: OK

10:39:37 PM Annie Chien: OK
10:39:42 PM Annie Chien: LAST QUESTION
10:39:45 PM Jessica B: *shoot*
10:39:48 PM Brielle LH: *i hope they are somewhat easy*
10:39:49 PM Angela R: go!
10:39:57 PM Brielle LH: *like the last quest*
10:40:23 PM Jessica B: *??*
10:40:29 PM Jessica B: *whats going on*
10:40:35 PM Jessica B: *am i the only one here*
10:40:38 PM Jessica B: *ooh ok*
10:40:38 PM Annie Chien: TRUE OR FALSE: WHICH OF THE FOLLOWING WOULD NOT BE FOUND IN A DNA MOELCULE?
10:40:39 PM Angela R: no
10:40:39 PM Jessica B: *nvm*
10:40:42 PM Annie Chien: PURINES
10:40:45 PM Annie Chien: RIBOSE SUGARS
10:40:48 PM Annie Chien: PHOSPHATES
10:40:49 PM Annie Chien: OR
10:40:51 PM Annie Chien: SULFUR
10:40:54 PM Jessica B: *sulfer*
10:40:54 PM Brielle LH: *sulfur*
10:40:58 PM Angela R: *sulfer*
10:41:01 PM Angela R: lol
10:41:01 PM Jessica B: *GOOD JOB US*
10:41:02 PM Angela R: idk
10:41:02 PM Brielle LH: *and how is that true or false?*
10:41:06 PM Brielle LH: *lol*
10:41:07 PM Angela R: *hahahha*
10:41:07 PM Jessica B: *LMAOO*
10:41:10 PM Annie Chien: OH
10:41:11 PM Jessica B: *hehhehhehehe*
10:41:14 PM Brielle LH: *lol*
10:41:16 PM Annie Chien: ITS ACTUALLY MULTIPLE CHOICE
10:41:18 PM Annie Chien: CHOOSE ONE
10:41:19 PM Annie Chien: LOL
10:41:20 PM Brielle LH: *that was too easy*
10:41:21 PM Jessica B: *loll*
10:41:21 PM Angela R: lol
10:41:24 PM Brielle LH: *we did*
10:41:27 PM Brielle LH: *we said sulfur*
10:41:28 PM Jessica B: *now we know ms chien needs slepp*
10:41:32 PM Jessica B: *sleep*
10:41:33 PM Angela R: lol
10:41:33 PM Brielle LH: *lol*

10:41:34 PM Brielle LH: yea
10:41:35 PM Angela R: wait
10:41:36 PM Annie Chien: YEAH
10:41:36 PM Jesica B: *lol*
10:41:38 PM Angela R: mschien
10:41:40 PM Annie Chien: BRIELLE OK GOOD
10:41:44 PM Annie Chien: IM GOING TO SLEEO
10:41:45 PM Angela R: do we have to do the hw
10:41:49 PM Jesica B: *lol*
10:41:52 PM Angela R: like the 3 questions??
10:41:57 PM Angela R: we were here chatting
10:41:58 PM Angela R: lol
10:42:07 PM Jesica B: *i love ur questions angela*
10:42:10 PM Angela R: lol
10:42:11 PM Annie Chien: OK SO ILL GO AND YOU GUYS CAN CONTINUE CHATTING