

DNA replication worksheet

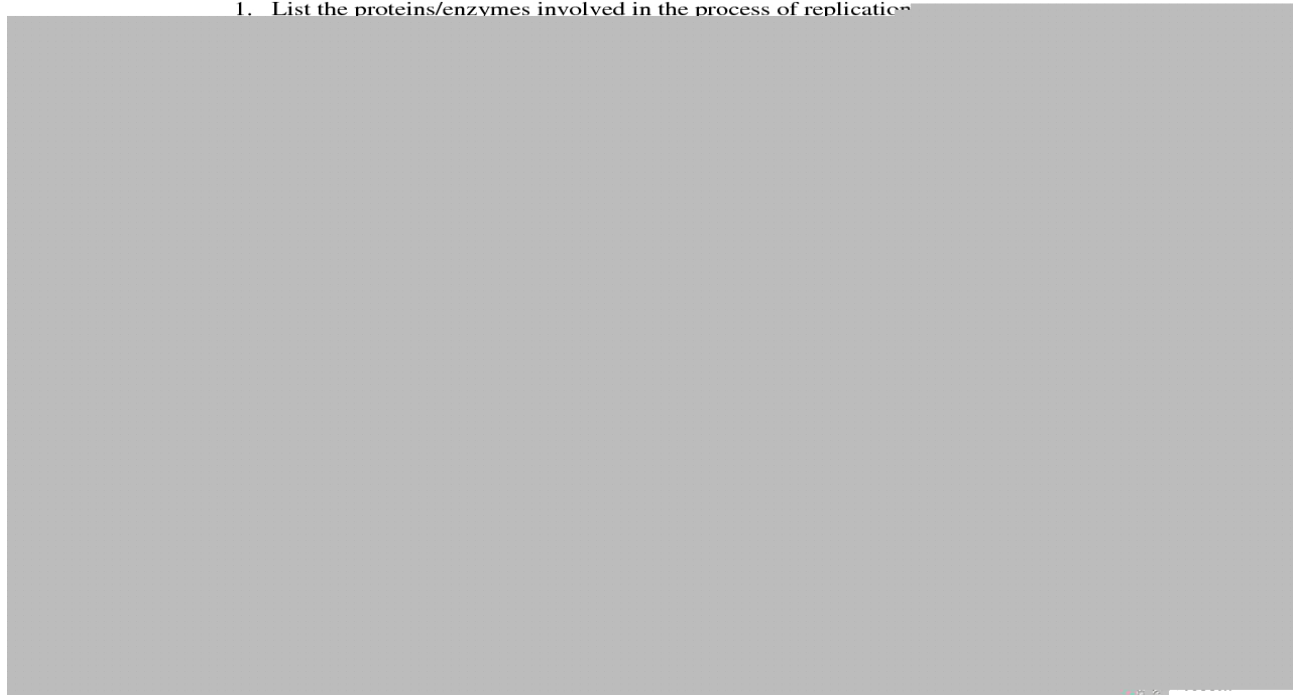
Watch the animations and answer these questions as you go along – bring this worksheet with you next class.....

[http://highered.mcgraw-](http://highered.mcgraw-hill.com/sites/0072437316/student_view0/chapter14/animations.html#)

[hill.com/sites/0072437316/student_view0/chapter14/animations.html#](http://highered.mcgraw-hill.com/sites/0072437316/student_view0/chapter14/animations.html#)

How Nucleotides are added in DNA replication? (Animation)

1. List the proteins/enzymes involved in the process of replication



m for a bacteria.

position.

quence and what it consists of.

nzyme.

in this process? DNA ligase?

? Explain

35. Explain what function transposons perform

36. Explain what a jumping gene is.

37. Explain what happens in replicative transposition.

38. Explain what is meant by an insertion sequence.

39. Explain the function of the transposase enzyme.

40. What is the function of DNA polymerase III?

41. Can insertion sequences cause mutations?