

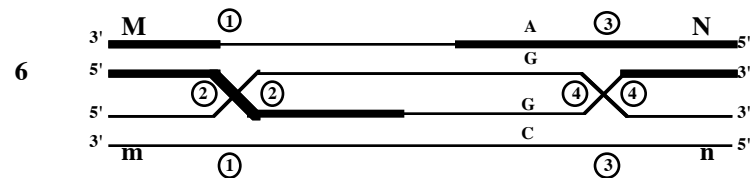
Here is an unquiz, to make up for not having recitations this week. You should be able to answer the questions on your own.

1. Here is a picture we looked at last Friday relative to the telomere. Unfortunately, the 3 and 5 prime numbers fell off. The shaded rectangle is the telomerase.



- a) Fill in the missing numbers
- b) What is the telomerase?
- c) What kind of nucleic acid is within the telomerase?
- d) Give a brief description for the next step in the lengthening of the telomere.

2. Here is another picture we looked at on Friday



- a) How many chromatids are represented?
- b) If we have a horizontal break and fusion between circles 2, will we have a crossover?
- c) If we have a vertical break and fusion between circles 3, will we have a crossover?
- d) A DNA polymerase will correct the AG mismatch in two ways. What are they?

