Bw 1-23-17

1. How does DNA replicate? Semi- conservative
2. Each organism has a unique combination of characteristics encoded in molecules of

a. protein. c. carbohydrates.

b. enzymes. d. DNA.

1-24-17

1. Leading versus lagging, what is the number direction and which is continuous or sectioned?

Leading- 5’-3’ and continuous

Lagging- 3’-5’ and sectioned

1. Which of the following is autosomal recessive in pedigrees?
   1. All generations, boys only
   2. Every other generation, girls only
   3. Every other generation, all people
   4. All generations, all people

1-25 1-26

1. How many bases are in a codon and which RNA is used to read the codon? 3 and mRNA
2. Meiotic cell division results in gametes that produce sperm and egg cells by
   1. Reducing the daughter chromosome number by 75%
   2. Reducing the daughter chromosome number by 50%
   3. Increasing the daughter chromosome number by 50%
   4. Increasing the daughter chromosome number by 75%

Bonus: You can do as many or as few as you like and you can get partial credit.

1. We talked about five nitrogen bases in DNA and RNA. There is a sixth that causes wobble in both polymers. Name that sixth nitrogen base.
2. On your analysis questions, we did not focus on a pair of scientists who confirmed Avery’s DNA does transformation experiment. Name the two scientists and how they did their version of the experiment.
3. We talked about how DNA replicates semi-conservatively. Name the two scientists who discovered how it works and how they did it.