Bio Bw 2-6-17

1. **On a pedigree, who is the circle and who is the square?**

**Circle = girl square= boy**

1. **A vesicle is preparing to combine with the inner portion of the fluid mosaic layer to expel waste material. Which of the following describes that process?**
   1. **Endocytosis c. exocytosis**
   2. **Osmosis d. facilitated transport**

**2-7**

1. **If there is a trisomy, what kind of chromosomal mutation is that?**

**nondisjunction**

1. **A single sensory neuron cell extends from a person’s large toe to an area adjacent to the spinal canal of the central nervous system. Which process is responsible for the length of this cell?**
   1. **Cell reproduction c. cell growth**
   2. **Cell division d. cell diffusion**

**2-8 2-9**

1. **Which molecules do transcription and translation?**

**Transcription is mRNA**

**Translation is tRNA**

1. **The enzyme catalase is involved in the breakdown of hydrogen peroxide into water and oxygen. During this reaction, the catalase**
   1. **Is unchanged c. is used up**
   2. **Is changed into a product d. is formed into a new enzyme**

**2-10**

1. **What is a linked gene? Two genes located very close together on the same chromosome, so they are inherited together**
2. **If two heterozygous flowers are pink, what kind of dominance is that?**
   1. **Complete c. multiple alleles**
   2. **Incomplete d. codominance**