**Bio bw 2-27**

1. **Why are homologous structures so important? Proves common ancestry**
2. **Which of the following are electron carriers?**
   1. **OH- and H3O+**
   2. **NAD+ and FADH2**
   3. **PCR and GE**
   4. **Centromeres and telomeres**

**2-28**

1. **What is the difference between a vestigial and analogous structure?**

**Vestigial- we have it but do not need it, our ancestors needed it**

**Analogous- no relation/ancestory, but similar structures**

1. **Which of the following indicates a protein?**
   1. **Polysaccharide**
   2. **Polypeptide**
   3. **Polyploidy**
   4. **Polymorphism**

**3-1 3-2**

1. **Define artificial selection and give one example.**

**Humans interfere: dogs, horses, corn**

1. **Which of the following is not a type of point mutation?**
   1. **Insertion c. deletion**
   2. **Switch d. nondisjunction**

**3-3**

1. **What does Hardy-Weinberg do?**

**Predicts allele frequencies**

1. **Which of the following is not a type of evolution?**
   1. **Coevolution c. parallel**
   2. **Adaptive radiation d. allopatric**