Bw 11-28

1. **How many and what kind of cells (not genetics) do mitosis and meiosis produce? Mitosis- 2 somatic and Meiosis- 4 gametes**
2. **A food substance was tested and the final color was purple. Which macromolecule was it?**
   1. **Simple carb c. complex carb**
   2. **Lipid d. protein**

**11-29**

1. **Who is the father of genetics and what organism did he study? Mendel and pea plants**
2. **Filled with glycosidase, these organelles help break things down.**
   1. **Nucleus c. ribosome**
   2. **Lysosome d. Golgi body**

**11-30 12-1**

1. **In Mendelian genetics what is the ratio and probability**

**when two homozygous parents are crossed? 4:0 and 100% to 0%**

1. **Which of the following is the monomer for proteins?**
   1. **Glycerol c. amino acids**
   2. **Nucleotide d. monosaccharide**

**12-2**

1. **What is the phenotypic ratio of a dihybrid, both are heterozygous? 9:3:3:1**
2. **Which of the following is not a lipid polymer?**
   1. **Wax c. oil**
   2. **Steroid d. enzyme**