

Period: \_\_\_\_\_

- Humans have \_\_\_\_\_ chromosomes in somatic cells, but only \_\_\_\_\_ chromosomes in their gametes.
- Male gametes are called \_\_\_\_\_ while female gametes are \_\_\_\_\_
- What are homologous chromosomes? \_\_\_\_\_
- What is one way that meiosis is similar to mitosis? \_\_\_\_\_
- Although Meiosis has many steps, in the space below draw a diagram showing the three most important parts of meiosis.
- A chicken has a diploid number of 78. What does this mean? \_\_\_\_\_
- A skunk has 50 chromosomes in the mother cell. At the end of Meiosis, how many chromosomes are in the daughter cells? \_\_\_\_\_
- Why is crossing over an important part of meiosis? \_\_\_\_\_
- In humans, chromosome number 9 from your dad has the gene to define your blood type. Which chromosome from your mom also has that gene? \_\_\_\_\_
- What are the two most important functions of the nucleus?
  - \_\_\_\_\_
  - \_\_\_\_\_

