

# Meiosis Worksheet

1. A cell with two pairs of each set of chromosomes is called a [ diploid / haploid ] cell.  
These cells are typically found throughout the body tissues and are called [ germ / somatic ] cells.
2. A cell with only one of set of chromosomes is called [ diploid / haploid ] cell.  
These types of cells are found in the reproductive organs and are called [ germ / somatic ] cells.
3. Sperm and egg cells are called [ gametes / zygotes ]. A fertilized egg is a [ gamete / zygote ].
4. A type of cell division that results in diploid cells: [ meiosis / mitosis ]
5. A type of cell division that results in haploid cells. [ meiosis / mitosis ]
6. When a sperm and egg combine, it is called \_\_\_\_\_
7. What is the diploid number for humans? \_\_\_\_\_ What is the haploid number? \_\_\_\_\_
8. Matching chromosomes are called \_\_\_\_\_ pairs.
9. During prophase I of meiosis, these pairs form a tetrad in a process called \_\_\_\_\_.
10. When homologous chromosomes exchange genes, it is called: \_\_\_\_\_.
11. How many daughter cells are created at the end of meiosis I? \_\_\_\_\_ meiosis II? \_\_\_\_\_
12. During meiosis, chromosomes will split into daughter cells randomly, making each gamete unique. This is called \_\_\_\_\_.
13. The process by which sperm are made is called \_\_\_\_\_.
14. The process by which eggs are made is called \_\_\_\_\_.
15. During the creation of an oocyte, 3 additional haploid cells are created that will not be fertilized, these cells are called \_\_\_\_\_.

## Label the Phases

