

Name: _____

Reinforcement: Meiosis

1. A cell with two pairs of each set of chromosomes is called a [diploid / haploid] cell.
2. A cell with only one set of chromosomes is called [diploid / haploid] cell.
3. Sperm and egg cells are called [gametes / zygotes].
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]
7. What is the diploid number for humans? [23 / 46] What is the haploid number? [23 / 46]
8. Matching chromosomes are called [diploid / homologous / gametic / pairs].
9. During prophase I of meiosis, these pairs form a tetrad in a process called [synapsis / mitosis / cytokinesis]
10. When homologous chromosomes exchange genes, it is called: [synapsis / crossing over / reduction].
11. How many daughter cells are created at the end of meiosis I? [2 / 4] meiosis II? [2 / 4]
12. Which phase comes after Telophase I? [Telophase II / Prophase II]
13. Crossing over ensures that every gamete is [unique / copied]
14. How many cell divisions occur in meiosis? [1 / 2] with mitosis? [1 / 2]
15. During which phase of meiosis do chromosomes separate from their pair? [anaphase I / anaphase II]

Label the Phases

