

# AP Biology Meiosis

Name:

Date:

Write the correct answer.

1. **chromosome** | dna molecules in a cell.
2. **haploid** | contains a single set of chromosomes. produced during meiosis (n). example) gametes cell
3. **gene** | the basic physical unit of heredity
4. **daughter cells** | are identical copies of their parent cells, produced during mitosis.
5. **tissue renewal** | dividing cells in bone marrow continuously make new blood cells
6. **mitotic spindle** | a structure consisting of fibers made of microtubules and associated proteins
7. **chromatid** | is the duplicated chromosome.
8. **meiosis** | is the variation of cell division that produces gametes, which yields non identical daughter cells that have only one set of chromosomes, half as many chromosomes as the the parent cells.
9. **chromatin** | is the entire complex of dna and proteins that makes up chromosomes. when a cell is not dividing
10. **cytokinesis** | the division of the cytoplasm.
11. **reproduction** | amoeba dividing into two cells, each constituting an individual organism
12. **genome** | all the dna in a cell.
13. **allele** | any of several forms of a gene, usually arising through mutation, that are responsible for hereditary variation.