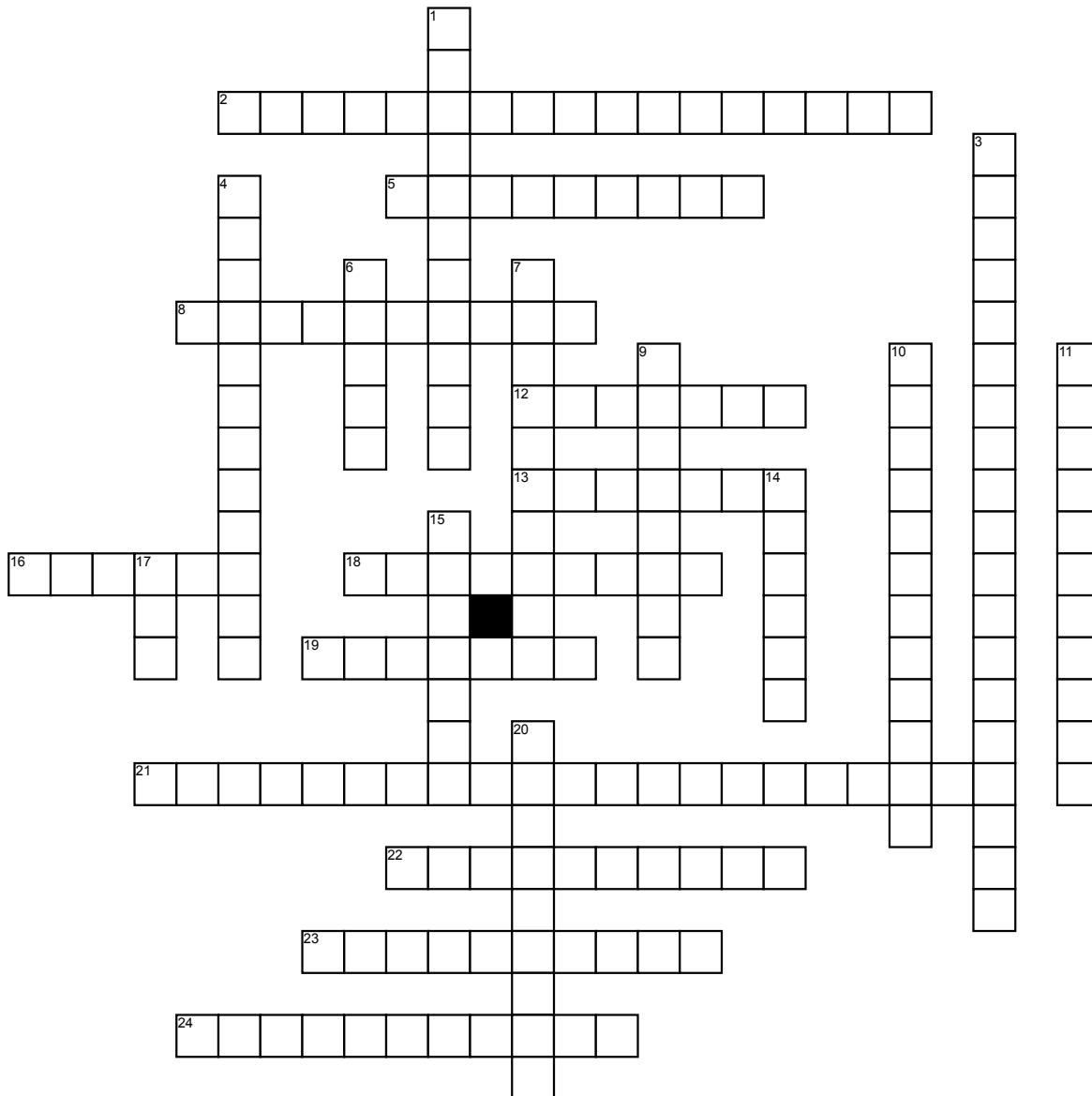


Meiosis and Sexual Reproduction



Across

- 2.** when the DNA replicated once but the cell divides twice
5. most important stage in meiosis
8. sister chromatids move to opposite sides
12. possible form of a gene
13. pair of chromosomes that are similar but not identical
16. cell formed by the union of male and female sex cell
18. two daughter cells divide again without DNA replication
19. single set of chromosomes, ex: sperm cell
21. happens in metaphase 1 and chromosomes separate independently
22. nucleolus and nucleus disappear and spindle fibers appear

- 23.** sister chromosomes finally separate

- 24.** sister chromatids align on metaphase plate

Down

- 1.** chromosomes replicate into two identical sister chromatids attached to centromere
3. occurs in mating
4. sometimes skipped but no DNA replication occurs
6. male sex cell
7. chromosomes line themselves in the middle of the cell
9. chromosomes replicate and homologous chromosome cross over to exchange genetic material and the homologs separate

- 10.** happens during prophase 1 and homologous chromosomes overlap
11. nuclei begins to form around chromosomes

- 14.** cells used during sexual reproduction, ex: sperm or egg
15. two sets of chromosomes, ex: body cells
17. female sex cell
20. individual pairs of sister chromatids separates but still attached to each other