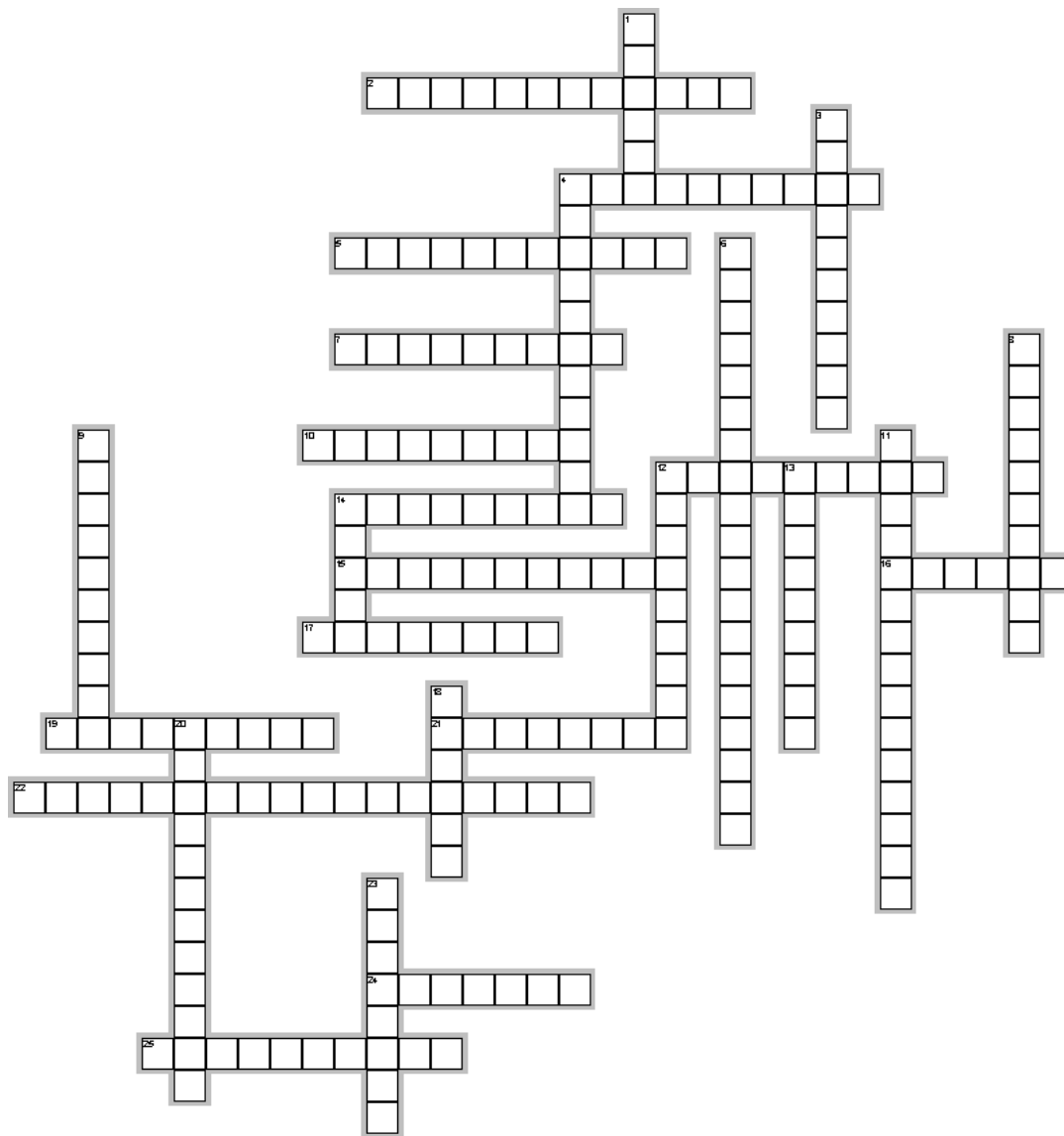


Golenberke Biology Chapter 10 Vocabulary: Cell Growth & Division



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Across

2. stimulates the growth and division of cells (2)
4. region of a chromosome where two sister chromatids attach
5. cells that can develop into most, but not all, of the body's cells types
7. substance found in eukaryotic chromosomes that consists of DNA tightly coiled around histones
10. process of programmed cell death
12. one of two identical "sister" parts of a duplicated chromosome
14. chromosomes, which were distinct and condensed, begin to spread out into a tangle of chromatin
15. cells that can develop into many types of differentiated cells
16. developing stage of a multicellular organism
17. genetic material inside the nucleus condenses and the duplicated chromosomes become visible, out the nucleus, a spindle starts to form
19. series of event cells go through (2)
21. chromosomes separate and move along spindle fibers to opposite ends of the cell
22. the fusion of two separate parent cells (2)
24. first stage of the process, division of the cell nucleus
25. a cell able to do everything; able to develop into any type of cell in the body

Down

1. regulates cell cycle
3. genetic information bundled into packages of DNA
4. second stage, the division of the cytoplasm
6. production of genetically identical cells produced by the fusion of two identical cells (2)
8. a hollow ball of cells with a cluster of cells inside known as the inner cell mass
9. period of the cell cycle between cell divisions
11. process by which cells become specialized
12. structure in an animal cell that helps to organize cell division
13. entromeres of the duplicated chromosomes line up across the center of the cell, spindle fibers connect the centromere of each chromosome of the two poles of the spindle
14. mass of cells
18. a disorder in which body cells lose the ability to control growth
20. process by which a cell divides into two new daughter cells (2)
23. unspecialized cells from which differentiated cells develop (2)

WORD BANK

anaphase
apoptosis
asexualreproduction
blastocyst
cancer
cellcycle
celldivision

centriole
centromere
chromatid
chromatin
chromosome
cyclin
cytokinesis

differentiation
embryo
growthfactor
interphase
metaphase
mitosis
multipotent

pluripotent
prophase
sexualreproduction
stemcell
telophase
totipotent
tumor