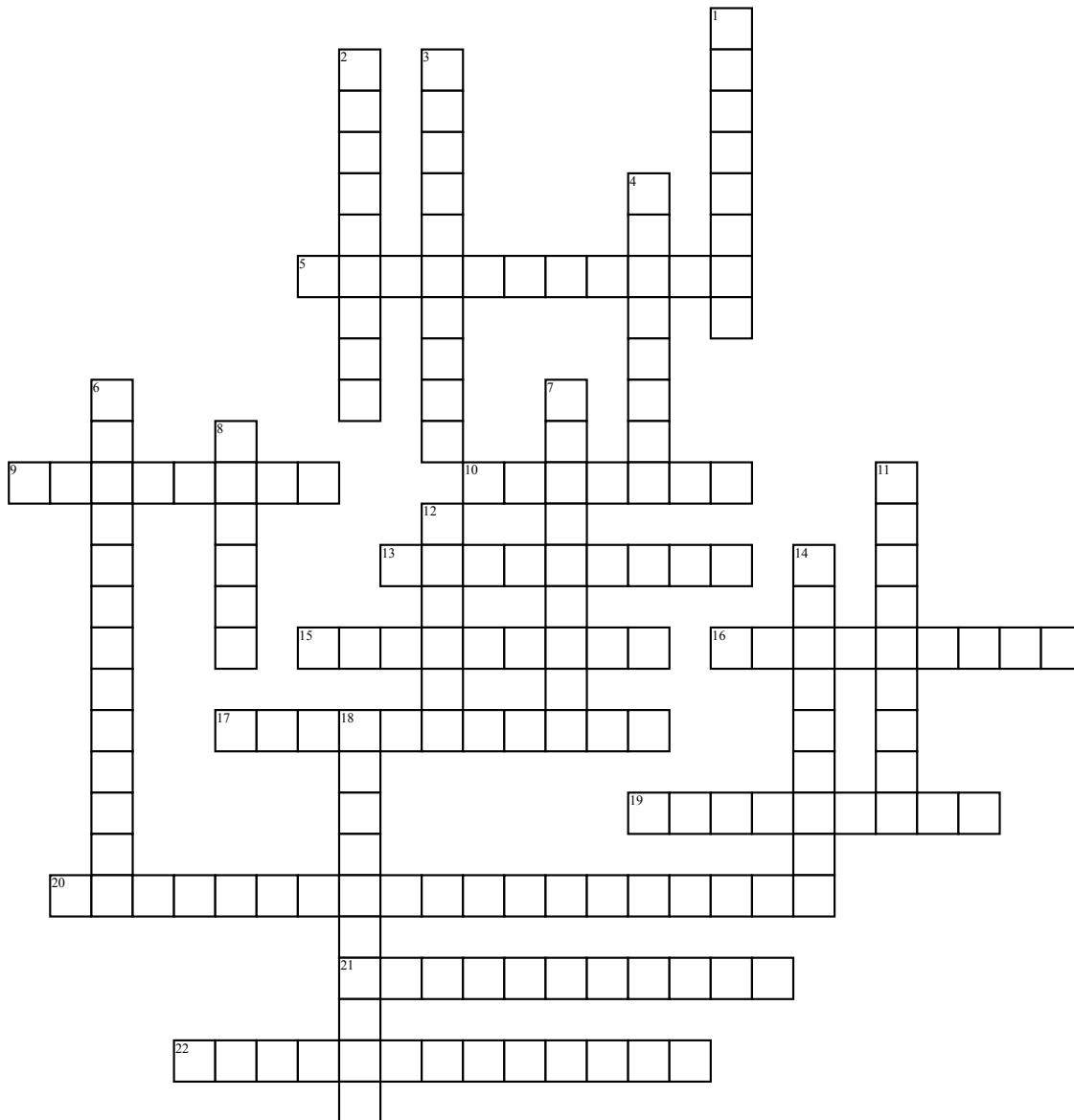


# Pages 131-150 Vocab



**Across**

- 5. The process that divides the cell cytoplasm
- 9. The first phase of mitosis
- 10. The division of the cell nucleus and its contents
- 13. The fourth phase of mitosis
- 15. Some of the cancer cells can break away from the tumor
- 16. One half of a duplicated chromosome
- 17. Substances known to produce or promote the development of cancer
- 19. Programmed cell death
- 20. The creation of offspring from a single parent and does not involve the joining of gametes

- 21. Break away cells can be carried in the bloodstream or lymph system to other parts of the body ,where they can form more tumors
- 22. The asexual reproduction of a single-celled organism by division into two roughly equal parts

**Down**

- 1. The third phase of mitosis
- 2. The regular pattern of growth, DNA duplication, and cell division that occurs in eukaryotic cells
- 3. A long continuous thread of DNA that consists of numerous genes along with regulatory information
- 4. During the cell cycle, each of your chromosomes is associated with this group of proteins

- 6. A broad group of proteins that stimulate cell division
- 7. The Second phase of mitosis
- 8. class of diseases characterized by uncontrolled cell division
- 11. In addition, the ends of DNA molecules form structure called
- 12. A tumor the cancer cells typically remain clustered together
- 14. The loose combination of DNA and proteins
- 18. Sister chromatids are held together at the end of this