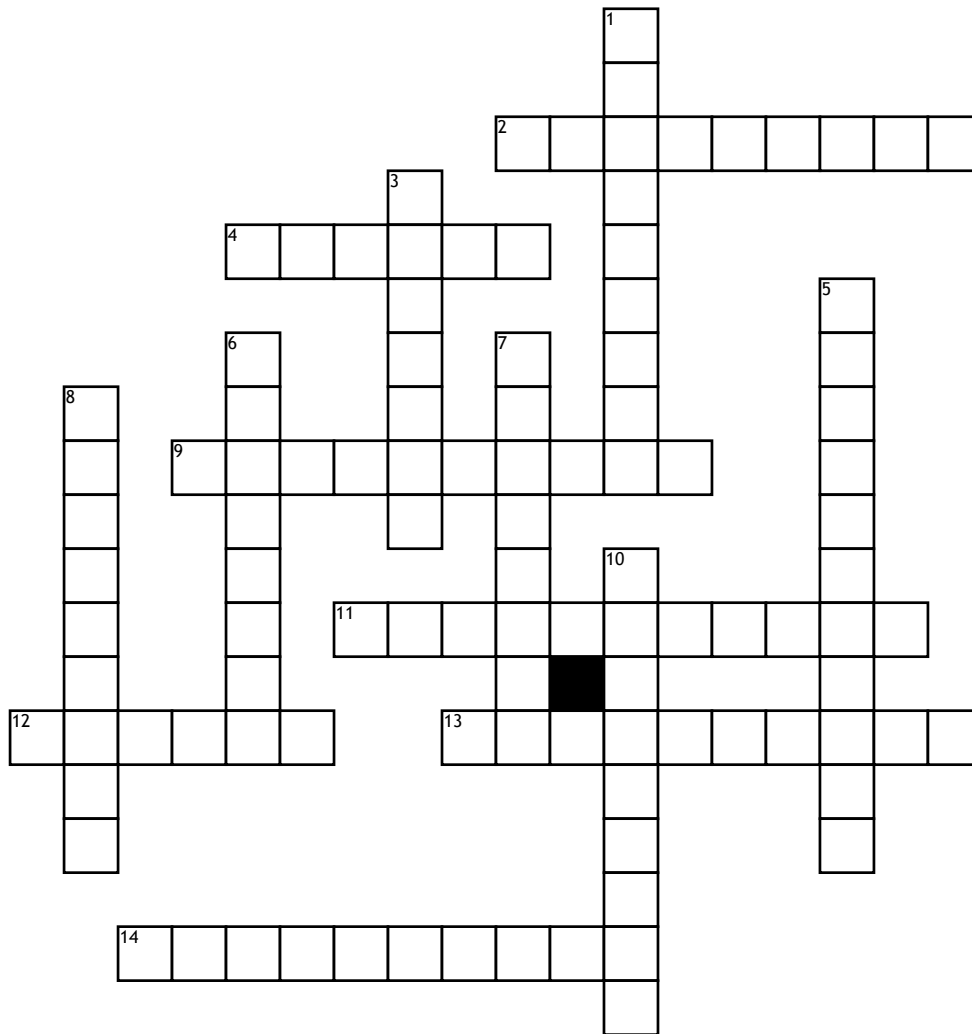


# Cancer and The Cell Cycle



**Across**

- 2. Cancerous
- 4. Mild, not cancerous
- 9. substance that causes cancer
- 11. the reason a cell becomes cancerous
- 12. uncontrollable cell division of abnormal cells
- 13. spread of cancer cells beyond their original site in the body

- 14. one of two identical "sister" parts of a duplicated chromosome

**Down**

- 1. The regular sequence of growth and division that cells undergo
- 3. division of the nucleus
- 5. division of the cytoplasm to form two separate daughter cells
- 6. the third phase of mitosis, during which the chromosome pairs separate and move toward opposite poles

- 7. the first phase of mitosis where the nuclear membrane disappears and the spindle fiber forms

- 8. the final phase of cell division, in which the chromatids or chromosomes move to opposite ends of the cell and two nuclei are formed.

- 10. the second phase of mitosis where the chromosomes line up in the middle of the cell

**Word Bank**

- |            |            |             |            |               |
|------------|------------|-------------|------------|---------------|
| Cancer     | Malignant  | cytokinesis | Benign     | Damage to DNA |
| Anaphase   | metastasis | Mitosis     | Cell cycle | Prophase      |
| Chromatids | Carcinogen | Metaphase   | Telophase  |               |