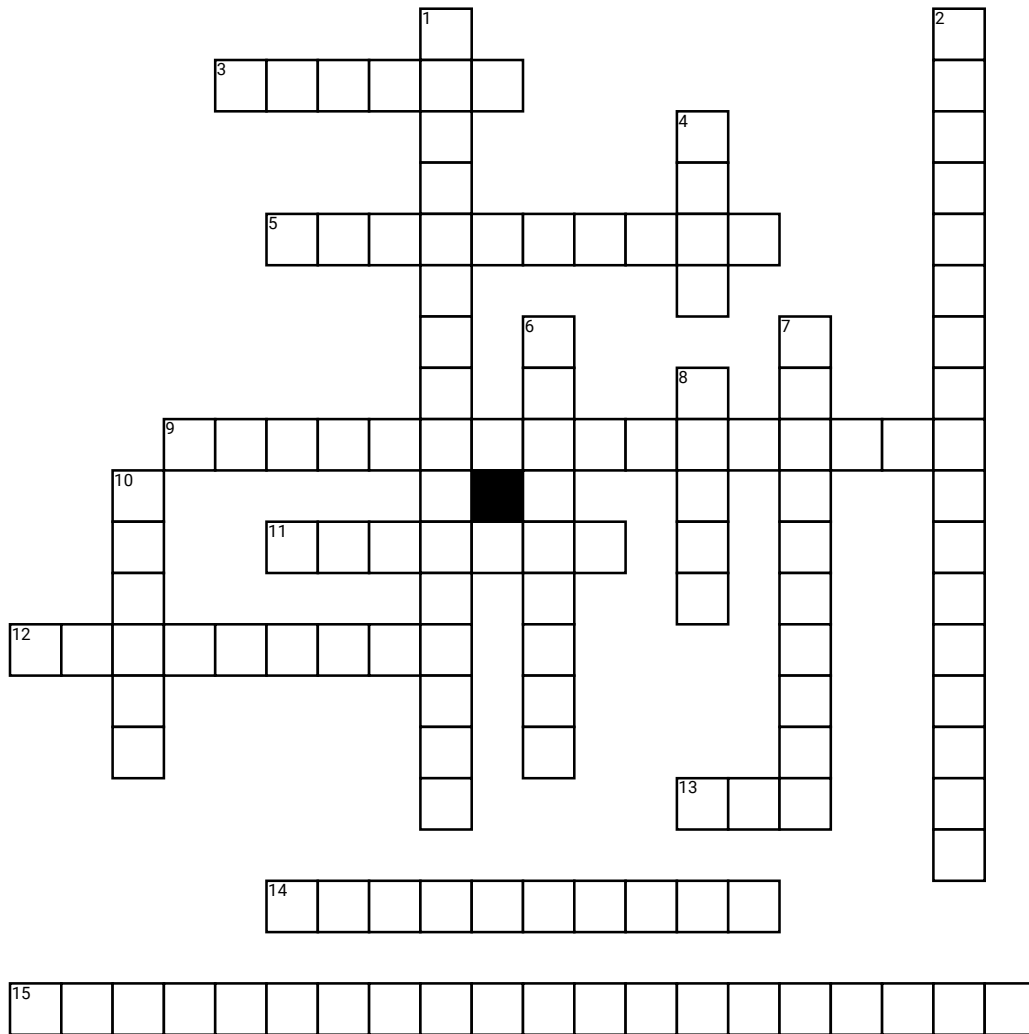


Genetics of Cancer



Across

- 3. Where sample for genetic testing is obtained on the human body
- 5. A name for a syndrome, Complete penetrance, gender dependent, greatly increases the risk of developing several types of cancer
- 9. The administration of a medication for the purpose of preventing disease or infection
- 11. Number of genes associated with germ-line mutations
- 12. Mutated versions of Proto-oncogene; leads to an increase production of proteins

- 13. The gene that has a germline mutation that causes a syndrome that is characterized by the development of thousands of adenomas
 - 14. Type of genetic testing used to look for inherited gene mutations that may put a person at a higher risk of getting a specific disease
 - 15. Process that leads to the inactivation of the second copy of a tumor suppressor gene
- Down**
- 1. Function to restrain inappropriate cell growth and division, as well as to stimulate cell death to keep our cells in proper balance

- 2. Set of cancerous conditions that allow the cell to override
- 4. Main type of cancer presents in both males and females
- 6. Highly regulated process that results in programmed death of cells, normal and controlled, that occur before problems arise
- 7. Type of genetic testing that is used to mainly find the cause of an existing disease
- 8. A name for a syndrome, Known as Hereditary Nonpolyposis Colorectal Cancer, genetic disorder that causes an increased risk of developing certain types of cancer such as colon and rectal cancer
- 10. Group of diseases that involve hyper cell growth, proliferation, and possibly spread to other parts of the body

Word Bank

- | | | | |
|---------------------|------------------------|------------|-------------------|
| Li Fraumeni | Loss of Heterozygosity | Seventy | Lung |
| Chemoprophylaxis | Diagnostic | Predictive | Tumor Suppressors |
| Oncogenes | Tissue | Lynch | Apoptosis |
| Hallmarks of Cancer | APC | Cancer | |