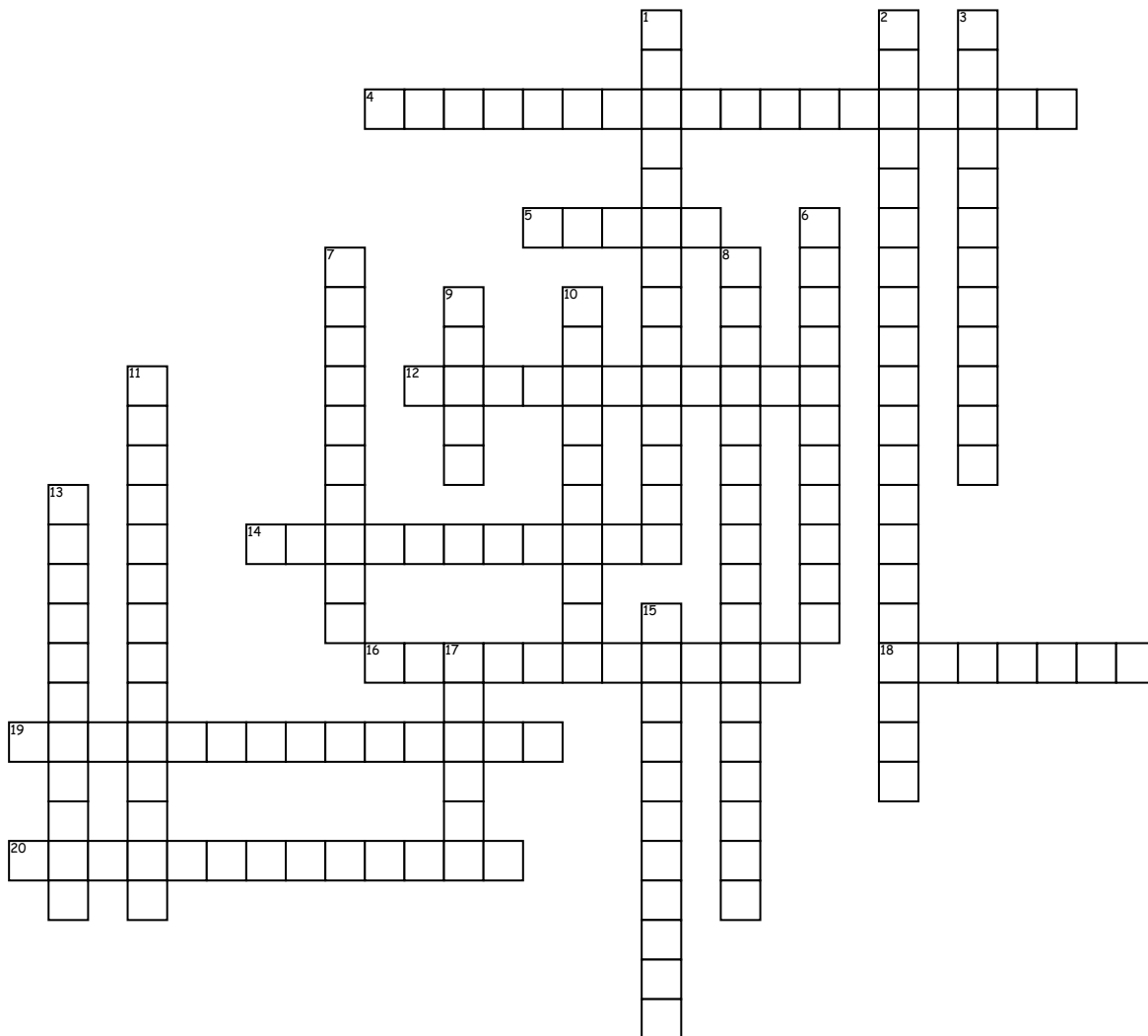


Name: _____ Date: _____ Period: _____

Genetics Primer Crossword Puzzle



Across

4. What is the international collaboration of scientists, governments and drug companies from around the world?

5. Each nucleotide contains a _____ and a phosphate molecule

12. This _____ process is responsible for the great variation in traits that we see in nature.

14. _____ are scientists who study gene and their variations.

16. DNA is a large molecule that is twisted into a _____.

18. The bases are _____ (A), guanine (G), cytosine (C), and thymine (T).

19. Who were the first scientists to figure out the structure of DNA?

20. A _____ is a short nucleic acid sequence that provides a starting point for DNA synthesis.

Down

1. Geneticists also study how _____ in genes can disrupt an organism's development or cause disease.

2. DNA, or _____, is the hereditary material in humans and almost all other organisms.

3. In 1865, _____ studied inheritance patterns in scientific way using garden pea plants.

6. Made up of repeating units called _____.

7. Our genes are the _____ that direct the synthesis of proteins- the molecular laborers that carry out all life-supporting activities in the cell.

8. The modern science of genetics influences many aspects of daily life, from the food we eat to how we _____ or treat diseases.

9. _____ are the basic units of heredity.

10. A _____ is a very long, continuous piece of DNA.

11. Who single handedly separated out what he called "nuclein" from cells?

13. Regenerative Medicine has already successfully grown _____ from human cells.

15. What is the insertion of one or more genes into an individual to treat a disease, especially inherited (genetic diseases)?

17. It's the specific order of A, G, C and T within a DNA molecule that is _____ to you.