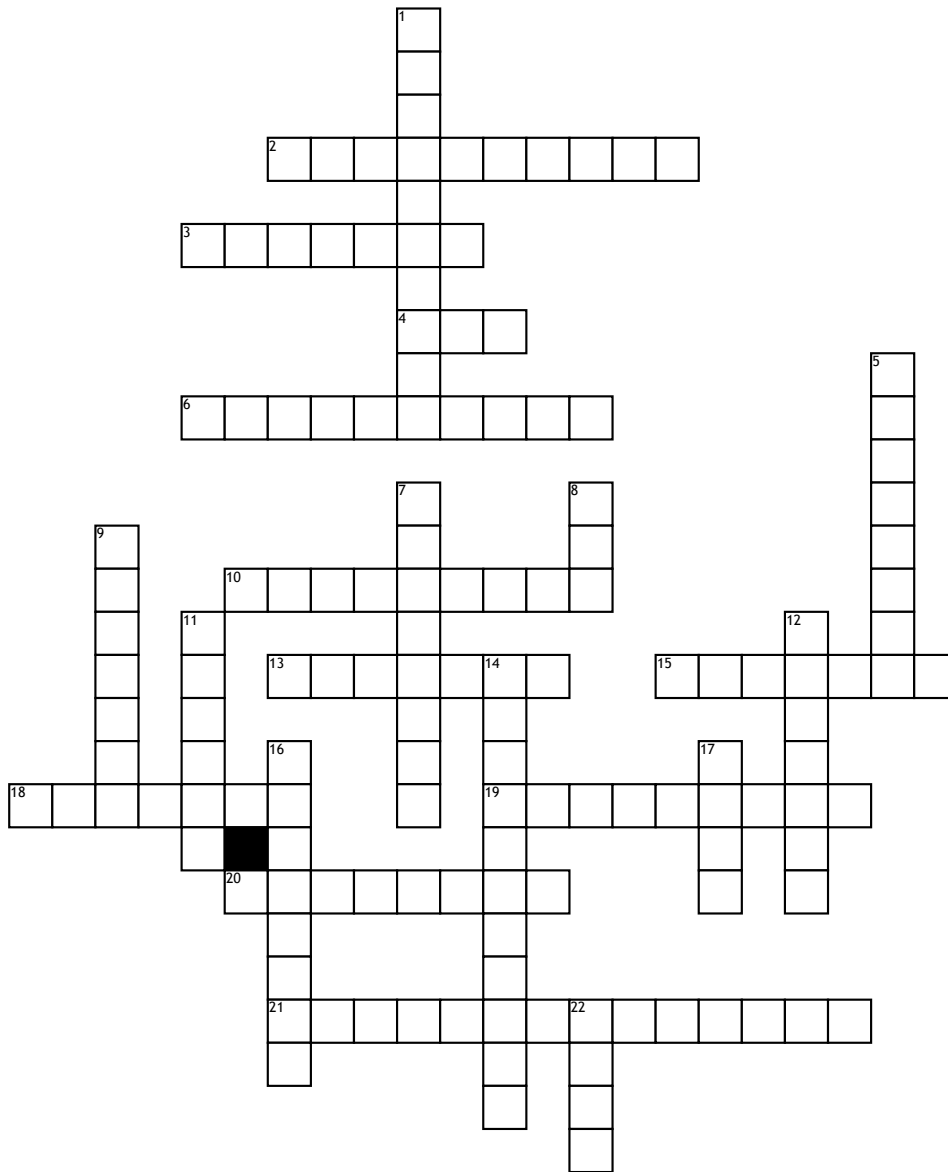


Name: _____

Date: _____

Scientific Specific



Across

2. A testable explanation for a set of observations based on the available data.
 3. The diffusion of free water across a selectively permeable membrane.
 4. The main energy source for cells.
 6. Referring to a solution that, when surrounding a cell, will cause the cell to lose water.
 10. The gain of electrons by a substance involved in a redox reaction; always accompanies oxidation.
 13. An approach to understanding the natural world based on verifiable evidence.
 15. A double-ring nitrogenous base found in DNA and RNA.

18. A single-ring nitrogenous base found in DNA.

19. The loss of electrons from a substance involved in a redox reaction; always accompanies reduction.

20. The sticking together of molecules of the same kind, often by hydrogen bonds.

21. Carbohydrate polymer of many monosaccharides

Down

1. Two alleles of a gene pair in a heterozygote both fully expressed.

5. A liquid that is a homogeneous mixture of two or more substances

7. Central region in a prokaryotic cell where the DNA is concentrated.

8. An atom or group of atoms that has gained or lost one or more electrons, thus acquiring an electrical charge.

9. The scientific study of life.

11. Found in RNA but not DNA.

12. A measure of disorder, or randomness. See also second law of thermodynamics.

14. Organelles found in plants that help conduct photosynthesis

16. The genetic makeup of an organism

17. The smallest component of an element.

22. The smallest structural and functional unit of an organism.