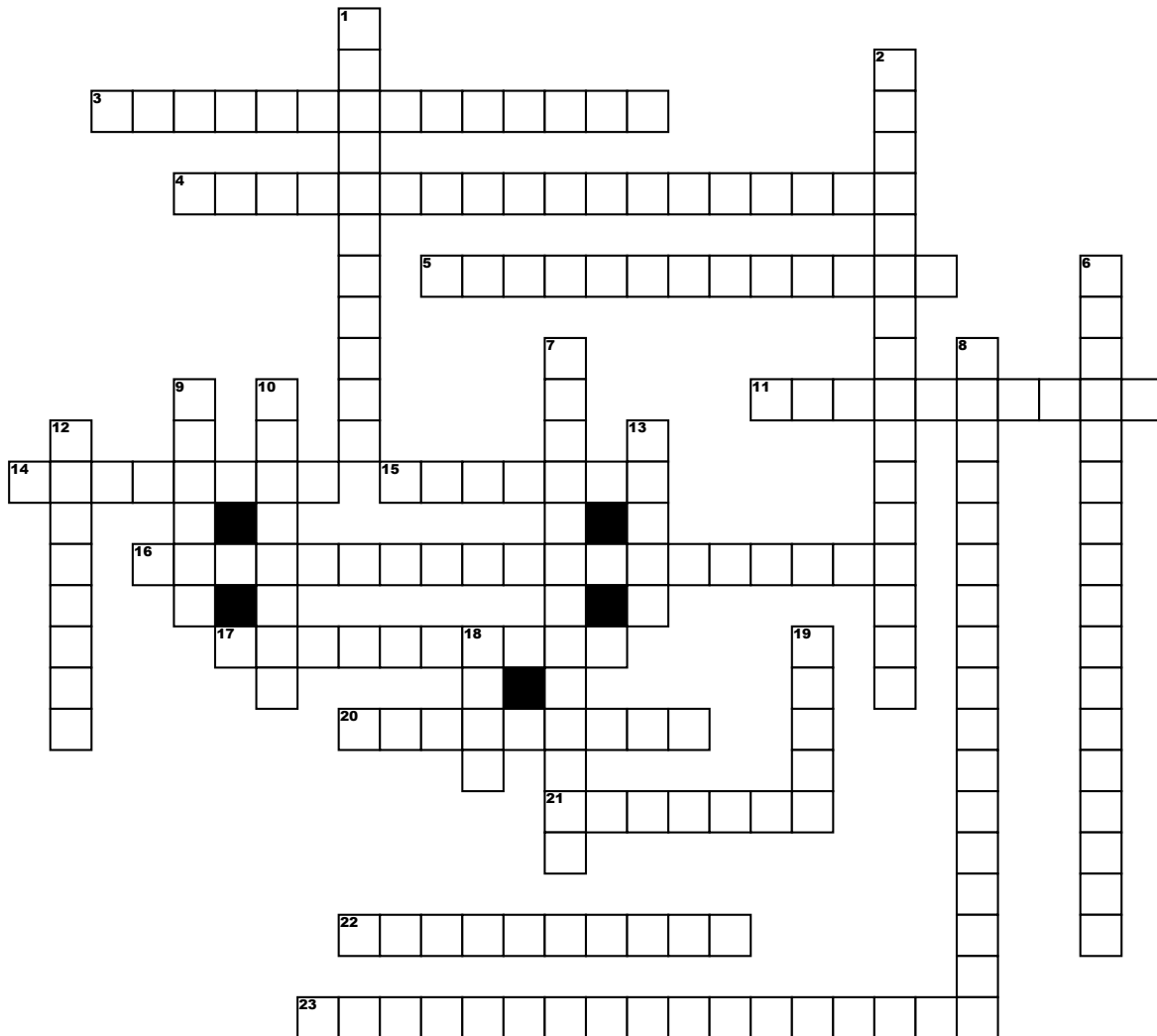


Name: _____

Date: _____

Matter



Across

- 3. a change that occurs when a new substance is created with different properties; observable as a color change, the production of gas or a precipitate, or the release of heat or light
- 4. properties that include all of the possible chemical changes that a sample of matter can go through
- 5. the effect that occurs when light is scattered through a colloid, causing the light beam to become visible as it travels through the mixture
- 11. a heterogeneous mixture containing particles large enough to settle
- 14. a homogenous aqueous mixture
- 15. one of the primary substances that make up matter and cannot be chemically broken down or converted into other substances; defined by the atomic number
- 16. a mixture with a non-uniform composition in which the individual components are distinct and visible

- 17. the mass of a single atom, molecule, or subatomic particles; nearly equal (exactly equal to the number of carbon) to the sum of the numbers of protons and neutrons
- 20. element or compound that can only be separated or combined to make substance with new properties by means of a chemical reaction
- 21. a homogeneous mixture in which the particles are indefinitely suspended in which the particles are indefinitely suspended in the medium, which may be a gas, a liquid, or a gas
- 22. related to the description of something in numerical terms
- 23. properties of a substance that are dependent on the amount of a substance present

- 9. anything that has volume and mass
- 10. the physical and chemical characteristics of a substance or element
- 12. a substance composed of multiple elements combined in fixed proportions
- 13. the smallest unit of an element containing a nucleus within an electron cloud
- 18. the amount of matter in an object
- 19. a state of matter where the shape is constant and rigid, where the volume is constant, and where the particles vibrate in a fixed shape

Down

- 1. related to the description of something is non-numerical terms
- 2. properties that describe matter including color, feel, smell, boiling point, and density
- 6. a mixture with a uniform composition
- 7. any single type of substance
- 8. properties of a substance that do not depend on the amount of the substance present