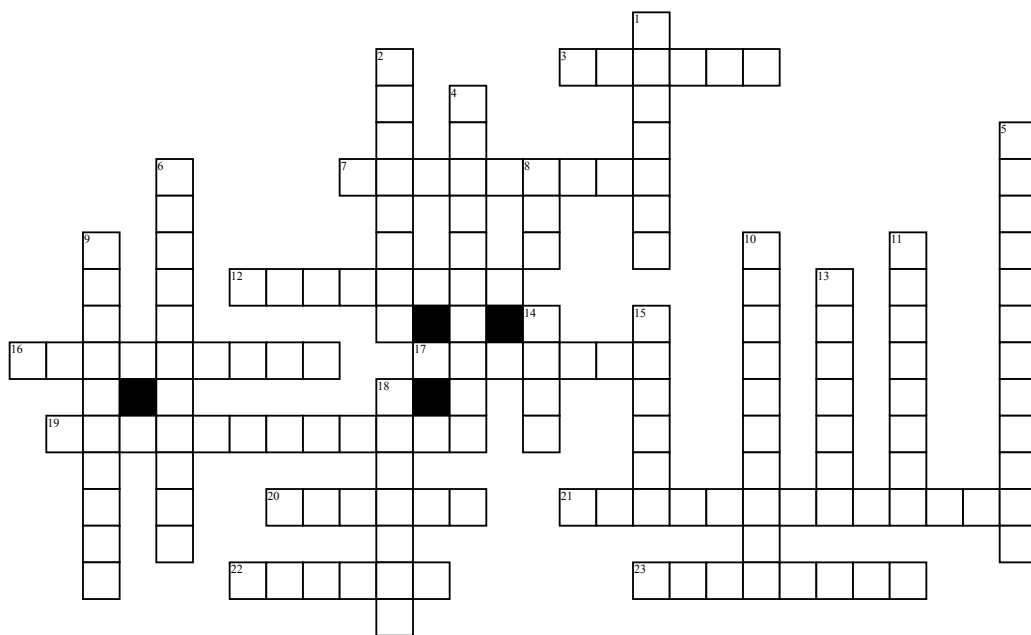


Name: _____

Date: _____

Substances and Mixtures



Across

3. A pure element often used in jewelry, with atomic symbol Ag
 7. A single type of material with nothing else mixed in it.
 12. Chemicals made from two different particles joined by chemical bonds.
 16. The scientific term referring to the maximum concentration of solute dissolved in a solvent.
 17. Two or more pure substances mixed together.
 19. A method for separating salt from water, capturing both the salt and pure liquid water in separate containers.
 20. The name for a solid that is dissolved in a solvent.
 21. A mixture which is not uniform in composition, like trail mix.

22. A pure gas used in first aid to help revive patients.

23. When a solute is incorporated into a liquid resulting in a solution.

Down

1. A pure substance whose atoms all have the same number of protons.
 2. A name for the type of mixture when a solute is dissolved in a solvent.
 4. The type of mixture when solid particles float in a liquid forever.
 5. With a narrow neck, this type of flask is usually used for mixing and measuring liquids.
 6. A method for separating salt from water, retaining the salt in a dish.
 8. A common word for the mixture of gases present on earth, required to sustain life.

9. A machine with a rapidly rotating container that separates substances in mixtures by mass.

10. A mixture with a uniform composition, like milk from the supermarket.

11. The smallest physical unit of an element or compound

13. The matter left in a container after filtration.

14. The smallest particle of a chemical element that can exist.

15. To draw off (a liquid) without disturbing the sediment or the lower liquid layers.

18. When water is added to an aqueous solution, the solution has been _____.

Word Bank

dissolve	solute	distillation	residue	oxygen	atom
molecule	diluted	suspension	evaporation	centrifuge	decant
substance	mixture	conical flask	air	solution	silver
saturated	heterogeneous	element	homogenous	compound	