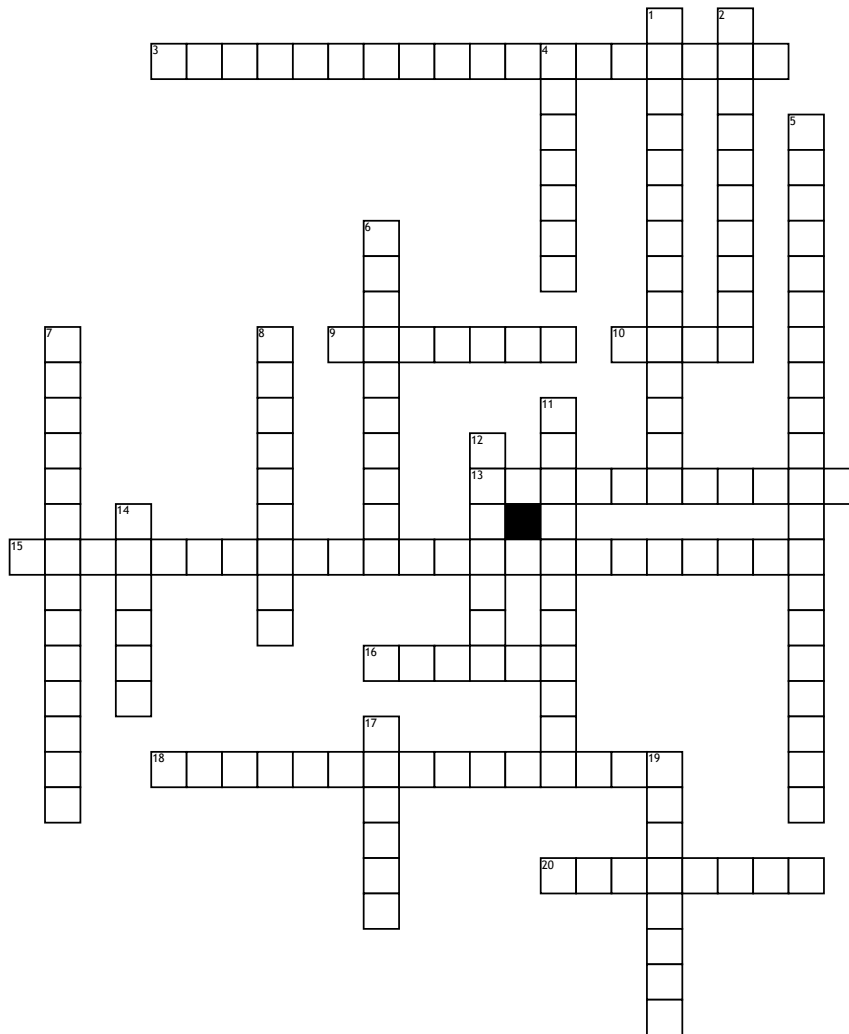


Science Properties and Changes of Substances



Across

3. One that has a uniform composition throughout and always has a single phase; also called a solution

9. the measure of how tightly matter is packed in an object, whether how an object will float or sink, and is a combination of mass and volume

10. the amount of matter in an object

13. when the farthest particles on the surface of the liquid escape into the air and become gas

15. States that mass is neither created nor destroyed during a chemical reaction but is conserved

16. how strongly gravity pulls on an object

18. when any state of matter changes, but can come back to its original shape

20. one substance is mixed with another and dissolves in the substance

Down

1. matter are observable in everyday life: solid, liquid, gas, and plasma

2. the characteristics of a substance.

4. A physical blend of two or more pure substances in any proportion in which each substance retains its individual properties; can be separated by physical means

5. One that does not have a uniform composition and in which the individual substance remain distinct

6. the gaseous state of water

7. when any state of matter changes its substance that cannot be reversible

8. A form of matter that has a uniform and unchanging composition; also known as a pure substance

11. state a substance reaches when it changes from a solid or liquid to a gas either at room temperature or boiling temperature.

12. the change from a state from a solid to a liquid

14. the space it takes up an object/ can be measured

17. is anything that takes up space

19. A uniform mixture that may contain solids, liquids, or gases; also called a homogeneous mixture

Word Bank

wate vapour

volume

evaporation

Law of conservation of mass

melting

mass

density

weight

physical changes

matter

states of matter

evaporation

heterogeneous mixture

chemical change

solution

solution

homogeneous mixture

properties

mixture

substance