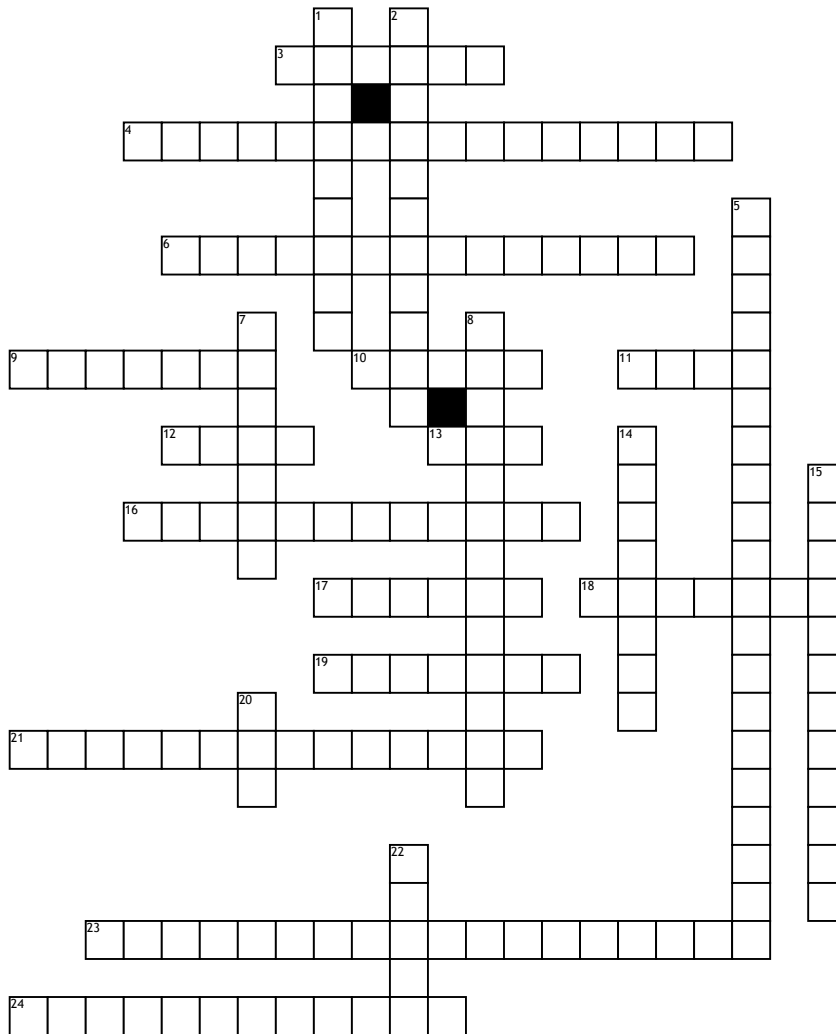


# Unit 2 Review: States of Matter



**Across**

- 3. Type of matter with variable shape and constant volume.
- 4. Characteristic of a substance that does not involve a change such as density, color, or hardness.
- 6. A change of matter from one form to another without a change in chemical properties.
- 9. 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
- 10. Type of matter with constant shape and constant volume.
- 11. A graduated cylinder reads 22 ml before putting in a paper clip. Then it reads 26 ml. What is the volume of the paper clip? (\_\_\_\_\_ mL)
- 12. The amount of matter in an object.

- 13. What is the density of a 50 g mass that has a volume of 5 mL measured in g/mL?
- 16. The temperature at which a substance changes from a solid to a liquid .
- 17. Anything that has mass and takes up space.
- 18. Milk is an example of this type mixture. This type mixture can scatter light.
- 19. A pure substance made up of only one type atom.
- 21. A change that occurs when one or more substances change into an entirely new substance.
- 23. A mixture such as a solution, where everything looks the same.
- 24. The ability of a substance to be rolled or pounded into thin sheets.

**Down**

- 1. The resistance of a liquid to flowing.

- 2. To change directly from a solid to a gas.
- 5. A mixture in which you can see the various parts
- 7. 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.
- 8. Is the energy of motion.
- 14. A pure substance made up of two or more elements chemically combined.
- 15. Changing of a gas into a liquid.
- 20. This form of matter has particles moving very rapidly, has no definite shape and no definite volume.
- 22. If a solid less dense than water, the it will \_\_\_\_\_.

**Word Bank**

- |                       |                     |                 |                   |
|-----------------------|---------------------|-----------------|-------------------|
| mass                  | element             | colloid         | physical property |
| density               | homogeneous mixture | four            | condensation      |
| solid                 | matter              | mixture         | gas               |
| viscosity             | float               | ten             | physical change   |
| heterogeneous mixture | liquid              | compound        | melting point     |
| kinetic energy        | sublimation         | chemical change | malleability      |