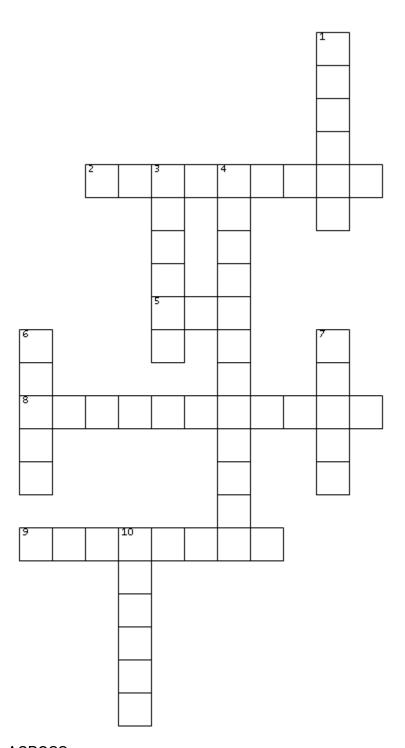
Phases of Matter Activity



ACROSS

- 2. Atoms that stick together to form a different small particle.
- 5. In the solid phase, molecules are very tightly packed together. The solid phase of water is called _____

8. When liquid water heats up, it turns into a gas. This process is called9. When a liquid becomes a solid after the molecules slow down and pack close together.
DOWN 1. Water is a molecule made out of two atoms of hydrogen and one atom of 3. The three phases of matter are solid, and gas. 4. When heat leaves a gas, it turns back into a liquid. This process is called 6. In the gas phase, molecules are floating very far apart. In water, this gas is called
7. The small particles that everything is made out of. 10. Heat is a type of which makes molecules move faster.
Let's do an experiment to see the phases of matter! Instructions:

You are going to be taking water in the solid phase (ice cubes) and placing them into a container of hot water to watch it melt. After it has melted, you will put some hot water in a cup and place an upside down cup on top of it. Water in the gas phase (steam) will begin to cover the inside of the upside down cup. After placing another ice cube on top, the steam will begin to condense back into liquid water droplets.

Make sure to get your teacher's help with the hot water!

Draw what you see!

Draw what you see as water is in solid, liquid, and gas phases.

Solid	Liquid	Gas

Questions

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