

Heat

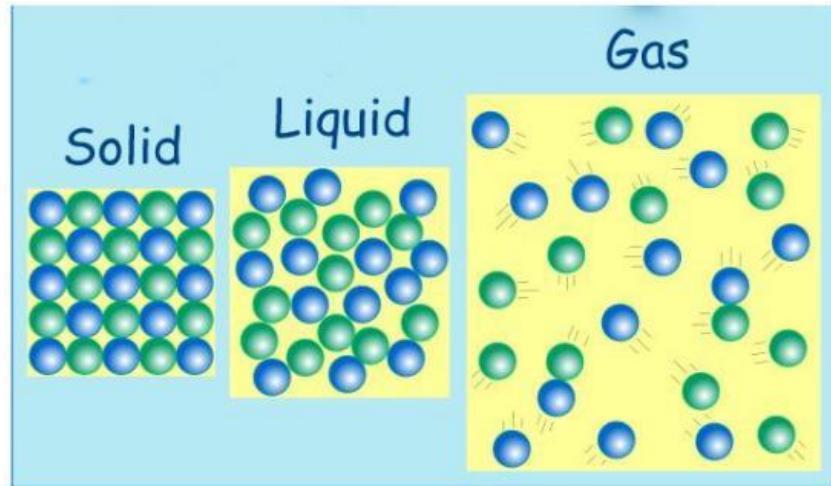
Lesson 3

Then Nebuchadnezzar was filled with fury, and the expression of his face was changed against Shadrach, Meshach, and Abednego. He ordered the furnace **heated** seven times more than it was usually **heated**. Daniel 3:19

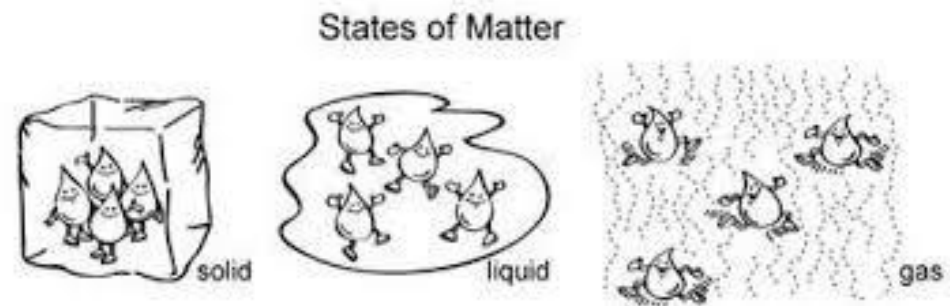
How does water change states by heat transfer?

- What are the three states of matter?
- **Watch Video** (Discovery education- A closer look at the states of matter)

How does water change states by heat transfer?



Heat makes molecules spread out and turn into gas,
cold makes molecules squeeze together and turn liquid or solid.



Water

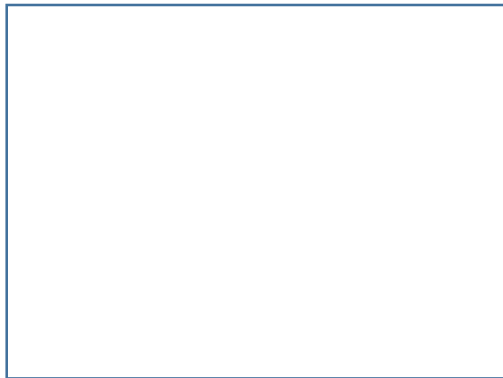
Water is called _____ when it's in solid form.

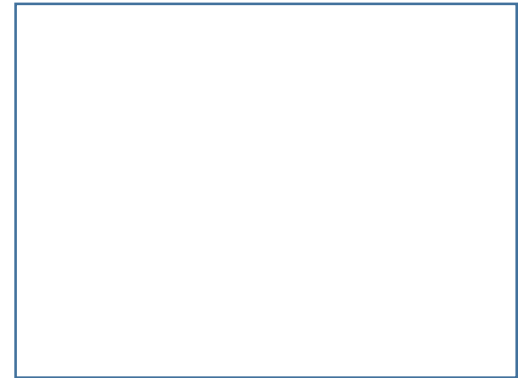
Water is called _____ when it's in gas form.

States of Matter

- Draw in the molecules on your notes to represent each state of matter. Write the three states of matter below the box.







Questions

- What will happen if you add energy to an object?
- What will happen if you take energy away from an object?
- What happens if you add heat to an ice cube?
- What happens if you add heat to liquid water?
- What happens if you take heat away from water vapor?
- What happens if you take heat away from liquid water?

Homework

Study the three states of matter. There will be a quiz tomorrow.