

Name: _____

States of Matter

Tell whether each is a solid, liquid, or gas.

Milk _____

Cookie _____

Oxygen _____

Fish _____

Pencil _____

Syrup _____

Shampoo _____

Carbon dioxide _____

Ice Cube _____

Paint _____

Oil _____

Salt _____

Water vapor _____

Gasoline _____

Helium _____

Sand _____

Fill in the blanks using your knowledge of the three states of matter:

1. Molecules in this state of matter are tightly packed, usually in a regular pattern.
Answer: _____
2. Matter in this state can easily be compressed because there is a lot of space between particles.
Answer: _____
3. Matter in these two states will take the shape of whatever container it is in.
Answer: _____ and _____
4. Matter in this state has a fixed shape.
Answer: _____
5. Molecules in this state of matter are close together but with no regular arrangement.
Answer: _____
6. Molecules in this state of matter are well separated, with no regular arrangement.
Answer: _____

Circle the correct answer.

1. For matter to go from solid to liquid to gas, the temperature must get (colder/warmer).
2. For matter to go from gas to liquid to solid, the temperature must get (colder/warmer).

(Hint: think about ice, water, and water vapor)

Complete each sentence with the word solid, liquid, or gas.

A _____ has a definite shape. It does not take the shape of its container. It also has a definite volume because it can be measured.

A _____ does not have a definite shape. It has the shape of its container. It does have a definite volume because it can be measured.

A _____ does not have a definite shape. It sometimes takes the shape of its container and sometimes flies freely around you. These particles are not connected to each other and take up whatever space is available.