

Name _____

Date _____

STATES OF MATTER 2

Questions

Match the following.

SORT ELEMENTS

solid freezing melting gas vaporization condensation liquid

Changing from a solid to a liquid.	
Changing from a liquid to a solid	
The process by which liquid water changes into water vapor	
The process by which water vapor changes into liquid water	
Form of matter that has a volume and a shape that both stays the same.	
Form of matter that has no definite shape or volume	
Form of matter that has a volume that stays the same, but a shape that changes	

2. Match to answer the following questions.

SORT ELEMENTS

o Gas Liquid liquid and gas Solid

Which state of matter is the least dense?	
Which state of matter takes the shape of the container?	
Which state of matter has the particles arranged in a fixed array?	
Which two states of matter can flow?	

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3. Match the following.

SORT ELEMENTS

Deposition Vaporization Sublimation Condensation solid to gas

Sublimation describes the change of state from what to what?	
The process changing a gas to a liquid is called:	
When a solid changes directly into a gas, it is called:	
The process of a liquid changing to a gas is called;	
When a gas changes directly into a solid:	

4. What are the two characteristic properties of matter?

5. Which of the following statement is true?

☐ Atoms in a liquid have the least energetic molecules.

☐ Atoms in a liquid are more apart than the atoms in a gas.

☐ Atoms in a liquid are less apart than the atoms in a gas.

6. The particles that make up matter are called _____.

☐ states

☐ properties

☐ atoms

7. Of the three states of matter, _____ and _____ are not very compressible.