

Title: Changes in Matter

Word Study

A. Fill in the blanks using the words.

state	compress	atoms	liquids
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1.



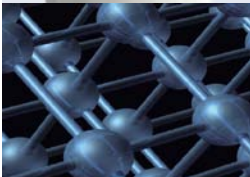
These atoms join to form water.

2.



Water and milk are liquids.

3.



It is hard to compress solids into a smaller shape.

4.



Heat and cold make matter change its state.

Reading Comprehension

B. Circle *Yes* or *No*.

1.



Gases have shape.

Yes

No

2.



Melting ice is a physical change.

Yes

No

3.



Some lights work by making plasma.

Yes

No

4.



Dry ice changes from a solid to a gas.

Yes

No

C. Choose the best answer.

1. What is true about liquids?



a. It is easy to compress them.

b. The atoms in them form lines.

c. The atoms in them bounce when they move.

d. They take the shape of what is holding them.

2. Where is plasma commonly found?



a. In space

b. On earth

c. In the BEC state

d. In the air

3. What happens when wood is burned?



a. It goes through a physical change.

b. It goes through a chemical change.

c. The matter remains the same.

d. It forms a new liquid.

4. When does a perfect solid form?



- a. When it is very hot
- b. When it is very cold
- c. When the lines of atoms repeat
- d. When the atoms are compressed to the smallest shape

Summary

Fill in the blanks with the words.

plasma	molecules	matter	solids
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Everything is made of matter. Matter is made of atoms and molecules. The atoms join to form molecules. Matter changes state when it is heated or cooled. Three common states of matter are solids, liquids, and gases. Solids have shape. The atoms in solids are close and tight. They form lines and move around a center point. The atoms in liquids slip past each other. Liquids take the shape of what holds them. Gas molecules move fast and bump into each other. Then they move away from each other. Two less common states of matter are plasmas and the BEC state. Plasma is not common on earth. It is found in stars and the sun. The BEC state happens when atoms become so cold they almost stop moving. They become a big group of the same thing.