

Name: \_\_\_\_\_

Bill Nye the Science Guy - "Phases of Matter"

**Directions:**

After watching "Bill Nye the Science Guy - Phases of Matter," you have learned some more information about the states of matter.

Read and answer the questions below.

- 1) Everything you can touch is made of \_\_\_\_\_
- 2) Solid, liquid, and gas are the 3 phases of \_\_\_\_\_  
Matter / Energy
- 3) The atoms in a solid move more \_\_\_\_\_ than in a liquid.
- 4) Matter can change phases by changing the amount of \_\_\_\_\_
- 5) Water vapor is a(n) example of a(n) \_\_\_\_\_
- 6) You can use \_\_\_\_\_ to change a liquid into a gas.
- 7) A soda is liquid that contains \_\_\_\_\_ gas to make it bubble and fizz.

8) A gas and a(n) \_\_\_\_\_ will take the shape of a container. \_\_\_\_\_

9) The heating and cooling of molecules will make \_\_\_\_\_

change their state of matter.

10) To change a gas to a liquid, you need to \_\_\_\_\_  
increase / decrease

the amount of heat energy.

11) To change a solid to a liquid, you need to \_\_\_\_\_  
increase/decrease

the amount of heat energy.

12) Changing a solid to a liquid to a gas is changing the \_\_\_\_\_  
of matter.