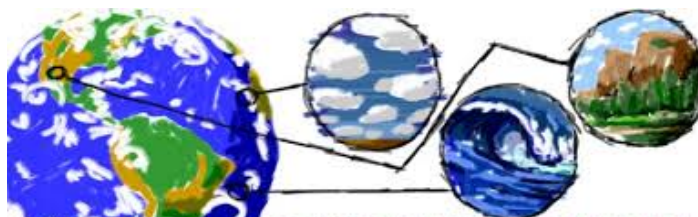


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

Season 1, Episode 8

## Bill Nye: Phases of Matter

<http://www.dailymotion.com/video/x3cqaj8>



1. The universe is made of \_\_\_\_\_.
2. It comes in three phases \_\_\_\_\_, \_\_\_\_\_,  
or \_\_\_\_\_.
3. The only difference between molten (liquid) steel and solid steel is the amount of \_\_\_\_\_.
4. Getting things to change phase, we need to change \_\_\_\_\_.
5. To change a liquid into a solid, we need to take \_\_\_\_\_ away.
6. Water vapor is different from liquid steam because \_\_\_\_\_.
7. Liquid nitrogen gets energy from \_\_\_\_\_ in order to boil.
8. Liquid nitrogen makes molecules \_\_\_\_\_ and get closer together.
9. What is it called when molecules completely stop moving? \_\_\_\_\_
10. Which gas is put into Coca Cola © to make it fizz? \_\_\_\_\_
11. When matter is a gas, you can't see it because it is \_\_\_\_\_
12. A solid sits on the stand but a liquid \_\_\_\_\_ and runs on my hand.
13. When matter is in the gas phase, it takes the shape of its \_\_\_\_\_
14. When matter is in the liquid phase, it takes the shape of its \_\_\_\_\_
15. When matter is a solid, it \_\_\_\_\_ its shape.
16. Cooking changes some \_\_\_\_\_ of matter.