

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

Date: \_\_\_\_\_

Period: \_\_\_\_\_

## Bill Nye: Phases of Matter Video Notes

1. While you watch the video, list at least 3 examples of substances that go through a phase change:
2. What are the 3 phases of matter?
3. The only difference between liquid steel and solid steel is \_\_\_\_\_.
4. What does liquid water turn into when heat is added?
5. Where does heat energy from the freezer go?
6. The temperature of liquid nitrogen is \_\_\_\_\_ °C and is in the \_\_\_\_\_ phase at room temperature.
7. \_\_\_\_\_ occurs when there is no molecule movement at all. This will never happen on Earth.
8. Molecules in a solid phase move \_\_\_\_\_, molecules in a liquid phase move \_\_\_\_\_, and molecules in a gas phase move \_\_\_\_\_.
9. Why can you pour carbon dioxide gas?
10. What three materials are mentioned in the video that are not solids, liquids, or gases?
11. Gases and liquids take on the shape of their container, but solids \_\_\_\_\_.