**Bill Nye Video: Phases of Matter**

<http://www.teachertube.com/user/channel/Leathersm?playlist-id=44>

1. Everything in the universe is made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Fill in the three phases of matter below. Give THREE examples of each shown in the video.

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| **Phase of matter** | **Examples** |
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1. The atoms in solid steel are moving more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the atoms in liquid steel.
2. The gasoline we use in our cars goes from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for our cars to burn.
3. What is required to make things change phase? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Energy causes molecules to move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ apart.
5. Can absolute zero be achieved? YES / NO (circle one)
6. The volume of the gas in a soda is affected by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inside the can.
7. Does a gas have mass? YES / NO (circle one)
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ take the shape of their container, while \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ keep their shape.