

Watch the "States of Matter" movie to help you complete this worksheet.

1. What are the three main states of matter?

2. Matter is anything that takes up _____. It makes up all the stuff in the _____. It is composed of _____.

3. Solids have a fixed _____ and _____. The particles in a solid are packed _____ to create a firm _____. Three examples of solids are _____, _____, and _____.

4. Liquids have a definite _____, but not a definite _____. The particles in a liquid are able to _____ around more than those in a _____. They take the shape of the _____ and are able to _____ like a river. Examples of a liquids are _____, _____, and _____.

5. Gases have no fixed _____ or _____. They have a tendency to _____ filling any container. Examples of a gases are _____, _____, or _____.

6. The fourth state of matter is _____. It can only be created at high _____ or low _____. It occurs naturally inside _____ or during lightning _____. Plasma is found in _____ lights or thermal _____ reactors.

7. Changing the _____ or _____ causes matter to change states.

Click "How do states of matter change?" when you are finished with the movie, then match each process to its best description.

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| Freezing • | • Process of a liquid changing into a gas |
| Melting • | • Process of a gas changing into a solid or a solid changing into a gas without going through the liquid phase. |
| Evaporation • | • Process of a liquid changing into a solid |
| Condensation • | • Process of a solid changing into a liquid |
| Sublimation • | • Process of a gas changing into a liquid |