Grade 5: Changes in Matter Review

1.a Describe a change in a material that is <u>reversible.</u> (Physical change)

1b. Describe a change in a material that is <u>non-reversible.</u> (chemical change)

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2. What changes would you observe if an ice cube were left out in the sun? What type of change would this be?

3. What happens when baking soda is added to vinegar? Describe the changes you would see. What type of change is this?

4. What are the 3 states of matter?

5. Identify the state of matter for the following materials.

a) steam
b) wood
c) gelatin / Jell-O
d) mud
e) candle
f) pop

6. What are the properties of a solid, liquid, gas?

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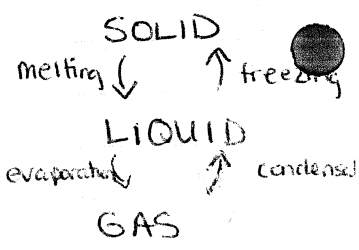
7. What are the differences between evaporation and condensation?

8. What do melting and evaporation have in common? How are they different?



Grade 5: Changes in Matter Review

1.a Describe a change in a material that is <u>reversible.</u> (Physical change)

Ice melting into water and then freezing the water

1b. Describe a change in a material that is <u>non-reversible.</u> (chemical change)

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2. What changes would you observe if an ice cube were left out in the sun? What type of change would this be?

Baking soda mixed with vinegar - reacts to release a gas and other new materials

3. What happens when baking soda is added to vinegar? Describe the changes you would see. What type of change is this?

When vinegar is added to baking soda a chemical reaction occurs. The most common observation is a gas is given off. This gas is carbon dioxide.

4. What are the 3 states of matter?

Solid, liquid, gas

5. Identify the state of matter for the following materials.

a) steam gas
b) wood solid
c) gelatin / Jell-O solid
d) mud liquid/solid
e) candle solid
f) pop liquid

6. What are the properties of a solid, liquid, gas?

solid - does not change shape, hard, soft

liquid - takes on the shape of the container, thin, thick, colour

gas - doesn't keep its shape - floats in the air, smells,

7. What are the differences between evaporation and condensation?

Evaporation occurs when heat is added to a liquid and the liquid changes into a gas.

Condensation occurs when heat is taken from a gas and the gas changes into a liquid.

8. What do melting and evaporation have in common? How are they different?

Melting and evaporation are processes that cause a change of state when heat is added.

Melting - solid to liquid

Evaporation - liquid to gas