Phases of Matter Task Information

Grade: 8th grade

Content: Phases of matter and changes in phases of matter - Block H IIB

Format: paper/pencil

Purpose: The students will apply content knowledge about the phases of

matter to observations and problems from everyday life.

Skills:

Primary: Generalizing/inferring

Secondary: Communication

Time: 20 minutes

Materials: none

Preparation: none

Safety: N/A

Extensions/Modifications: none

Phases of Matter

<u>Task:</u> To determine if students can apply content knowledge to observations and problems from everyday life.

Directions

Answer the following questions using your knowledge of the phases of matter. Be sure to use the correct vocabulary such as solid, liquid, gas, condense, evaporate, freeze, or melt. Explain each response in detail.

1.	A kernel of popcorn contains a small amount of water and when heated the popcorn pops. How can you explain this to someone?
2.	Explain why a hot shower "fogs" up a bathroom mirror
3.	You inhale and exhale a lot of air and moisture. Explain why you can "see your breath" when you are outside on a cold day.
4.	Dryers are used to dry your hands or clothes. Explain how they use heat to dry.

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4. Dryers are used to dry your hands or clothes. Explain how they use heat to dry.

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Department-

5. During the winter, snow often sits on a roof of a house. Houses that are poorly insulated will often have icicles hanging from the ends of the roof. If the water starts out as a solid phase in snow on the roof, explain how icicles form that are hanging over the edge.

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Male / Female (circle one)			
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