

Warm up 11.04.14

- **Sit where you wish**
- Please take out your notebook for some c-notes
- **Take out the Phases of Matter video sheet please**



Goals for today:

✓ **Announcements**

✓ **Reflection**

✓ **C-notes**

✓ **Exploration**



7th grade Anchor Questions Week 10

Questions Due: Friday, Nov. 7

Assessment date: 11.07

- 1. What are physical properties? Write three examples of physical changes.**
- 2. What is a physical change in matter? Write three examples of physical changes**
- 3. Explain what happens to the molecules of a liquid when there is evaporation.**
- 4. Explain what happens to the molecules of a gas when there is condensation.**
- 5. Explain what happens to the molecules of a liquid when there is freezing or solidification.**
- 6. Explain what happens to the molecules of a solid when there is melting**







7th grade Internet Activities

Internet Activity: KTM

[Phases of Matter](#)

[States of Matter](#)

[States of Matter 2](#)

[Changes in Matter](#)

[Seven Billion](#)

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Internet Activity: Matter

Name: _____

Date: _____

Bill Nye – Phases of Matter

Answer these questions DURING the video.

1. The universe is made of _____. It comes 3 ways:
_____, _____, or a _____.
2. Getting things to change phase, we need to add _____.
3. Changing a solid to a liquid to a gas requires _____.
4. What are the three phases of water?
_____, _____ and _____.
5. 78% of our air is _____.
6. How does Maggie Stead make “fizz” in the Coca-Cola cans?

Answer these questions AFTER the video.

7. How would you change liquid water into ice? Be sure to explain what is happening to the ENERGY (the heat)!

8. How does heating ice change it from a solid (ice) to a liquid (water) to a gas (water vapour).

What is a “property”?

Properties...of matter. Properties allow you to identify matter:

Examples:

Sugar- white, crystals, no odor, “sweet”

Salt- white, crystals, no odor, “salty”

What is a physical property?

Physical properties:
Properties that do not change the matter, they can be observed or measured

Examples of physical properties are: color, smell, freezing point, boiling point, melting point, attraction (paramagnetic)...

What is a physical change?

Physical Changes

Definition:

A physical change is where the matter changes only in shape, state or size but still has the same properties

C-notes

What is a physical change?

Physical Changes

Examples:

a) Boiling water- liquid changes to gas. (STILL H₂O)

b) Sugar is “crushed” to make “powdered” sugar (STILL is sugar...)

- 1-Go to mrinchatolms.homestead.com
- 2-Click on Class Notes
- 3-Copy the c-notes in your notebook (you have 10 minutes)