

VOCABULARY – ON-LEVEL

Matter

Unit 1.2

Chastain 2017

You will need 8 Index Cards

STANDARD

S8P1. Obtain, evaluate, and communicate information about the structure and properties of matter.

b. Develop and use models to describe the movement of particles in solids, liquids, gases, and plasma states when thermal energy is added or removed.

PHYSICAL PROPERTIES

The Physical Properties of Matter

- Defined as any characteristics of a substance that can be observed without changing the substance
 - Shape
 - Color
 - Conductivity
 - Odor
 - Hardness
 - Magnetism
 - Luster
 - Malleable
 - Ductile
-

CHEMICAL PROPERTIES

Chemical Property

- The definition of a **chemical property** is the ability or inability of a substance to combine with or change into one or more new substances.
- Iron rusting and spoiled food are examples of a chemical property.

REACTIVITY

- The ease and speed with which an element combines, or reacts, with other elements and compounds.



FLAMMABILITY/COMBUSTIBILITY

- The ability of a substance to burn or ignite, causing fire or combustion.



COMBUSTIBILITY VIDEO CLIP

- <https://youtu.be/B0E4PX3e3RE>

BOILING POINT

Boiling point is the temperature at which something becomes a gas.

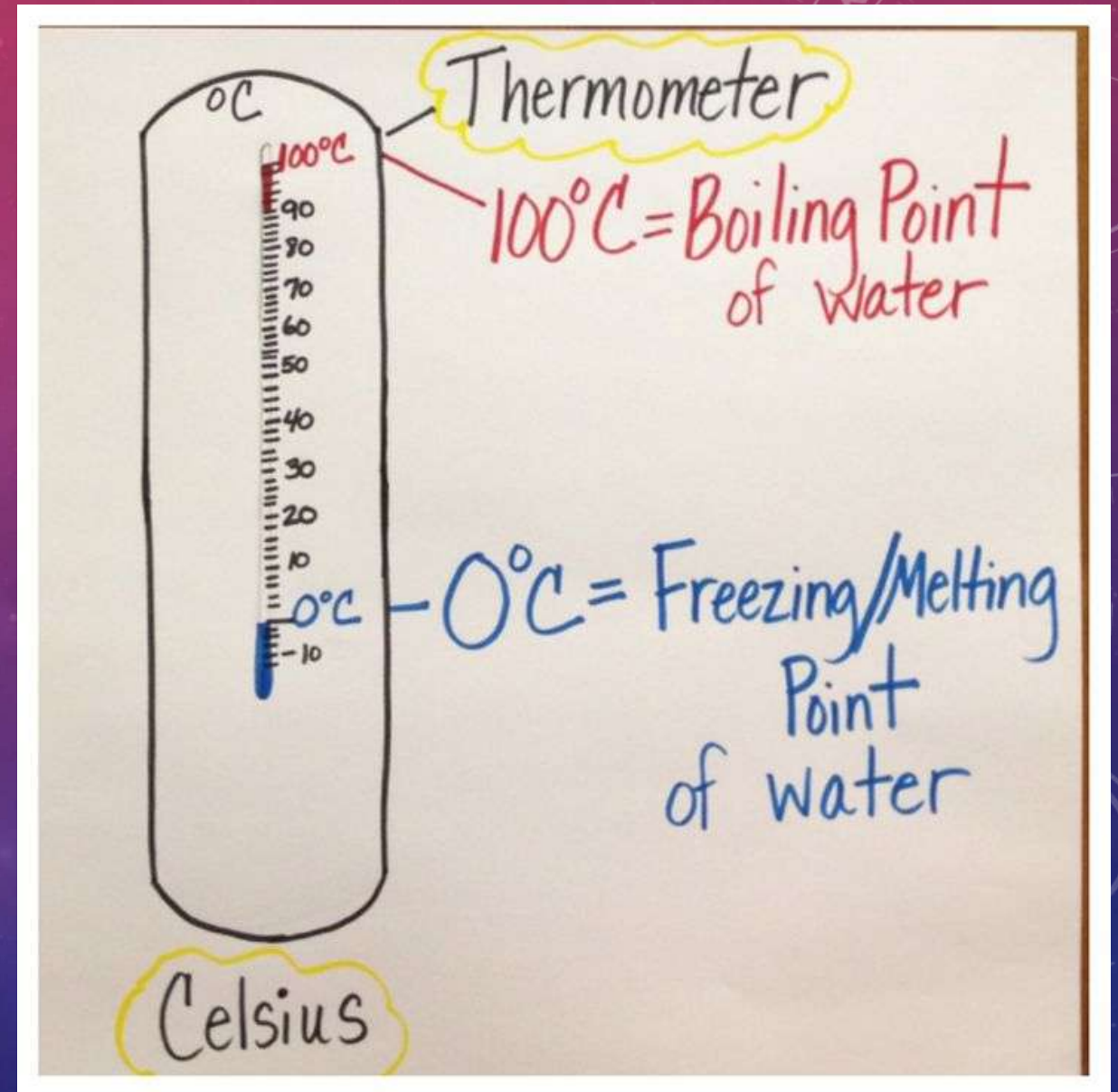


Water has a boiling point of 100°C .

This means that at 100°C , water changes from a liquid to a gas.

MELTING POINT

- The temperature at which a solid changes into a liquid.



MELTING POINT VIDEO CLIP

- <https://youtu.be/pVTZySPJh5w>

DENSITY

What is Density?

Density is....

- “Mass per unit volume”
- How closely packed the “stuff” is within an object.
- If something is *more dense* that means more *stuff* is taking up that objects space, and is more closely packed.

Which is denser?

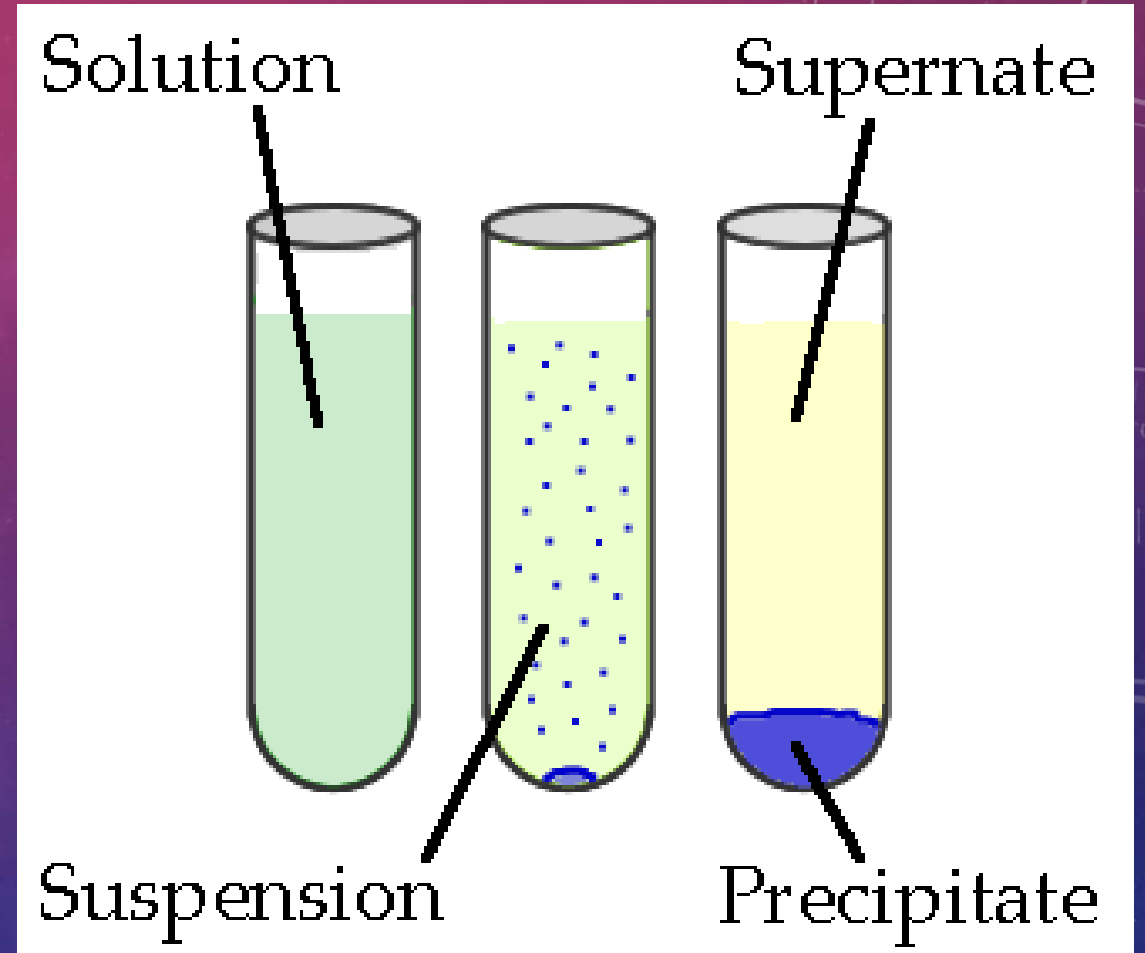


DENSITY VIDEO LINK

- <https://youtu.be/dcQR6vV1Sgo>

PRECIPITATE

- A solid that forms from a solution during a chemical reaction.



PRECIPITATE EXAMPLE VIDEO

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=73DW6W0ZNXA](https://www.youtube.com/watch?v=73DW6W0ZNXA)

QUIZLET – MATTER 1.2

- https://quizlet.com/_3lpsg5