



Warm-up

Log into All in Learning and take the Chemistry assessment.

A large orange shape on the left side of the slide, consisting of a rectangle with a quarter-circle cutout on its right side.

Chemical/Physical Properties and Changes

- Learning Objectives: Students will be able to distinguish between chemical/physical properties and changes including changing states of matter.



Properties – ways to describe something

Physical

- Intensive Properties (does not depend on amount)
 - Color, density
- Extensive Properties (does depend on the amount)
 - Mass, volume, shape

Chemical

- Reactivity
 - Will it burn?
 - Will it rust?

Physical Changes

- The substance may look different, but it is the same substance
 - Reversible – can be undone
 - Bending a metal wire
 - Folding a piece of paper
 - Changing a state of matter
 - Irreversible- cannot be undone
 - Ripping paper
 - Dropping a vase on a hard floor

Chemical Changes

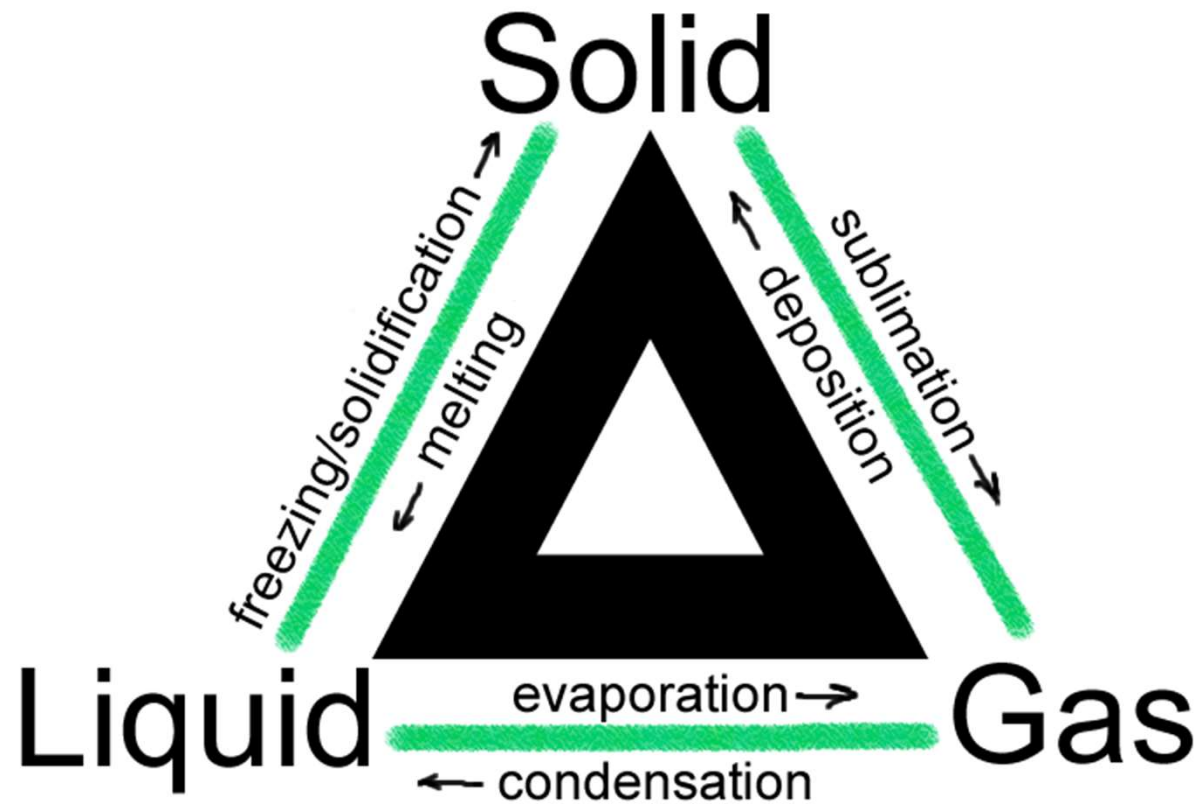


“NEW SUBSTANCE
FORMED”



CHEMICAL CHANGES ARE
NOT EASILY UNDONE.

Changing States of Matter



End of Notes for Homework

- Do not copy the slides beyond this one for homework....

Discuss

- In breakout rooms, discuss the different terms associated with changing states of matter and come up with an example of each. Each group will post their examples to the jamboard. The jamboard link will be in the chat, open it before you go to your breakout rooms.



Practice Properties of Matter

Open the Properties of Matter worksheet (listed in Google Classroom).

You are welcome to print the worksheet or just write the answers on a sheet of paper. Your answers must be handwritten and not typed so that I know that it is your work.

You should add the worksheet link to your ebinder and upload a picture of your answers with it.

Homework



Copy the notes for next class (handwritten) so that you are prepared for the direct instruction. We will be adding to your notes and you will upload a picture of them to your ebinder.



Notes can found on my website:
<http://chemistry.christianedgar.com>