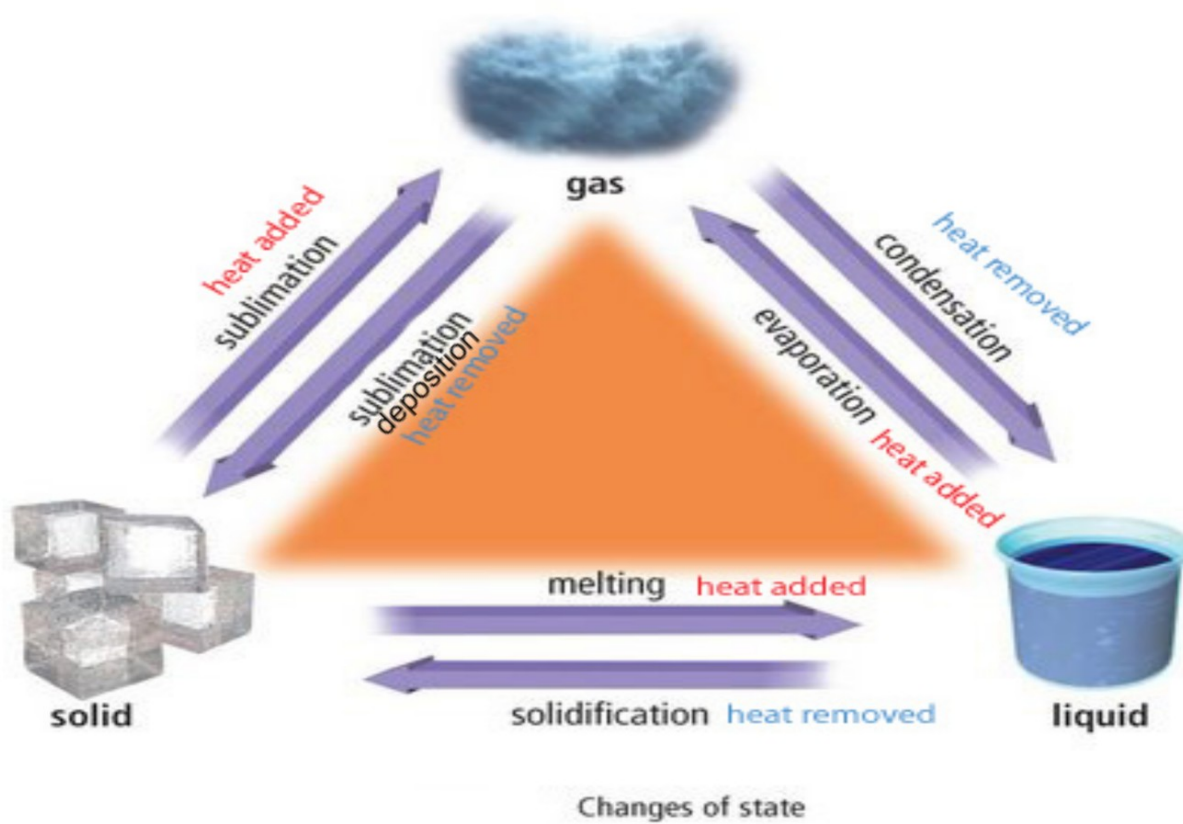
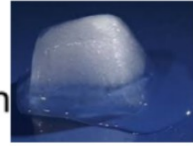




Melting - change from solid to liquid

- requires heat in order to happen



Vaporization - change from liquid to gas

- requires heat in order to happen



condensation - change from gas to liquid

- loss of heat (Cooling)



Freezing - change from liquid to solid

- loss of heat (cooling)



Sublimation - change of solid right to gas

Ex) Dry Ice

Deposition--> change of gas to solid

Ex) Frost on
Windows on bitterly
cold days



Sept. 19

Evaporation - is slow vaporization.

- can occur at different temperatures

Example) Wet clothes dry in both winter and summer on the clothelines



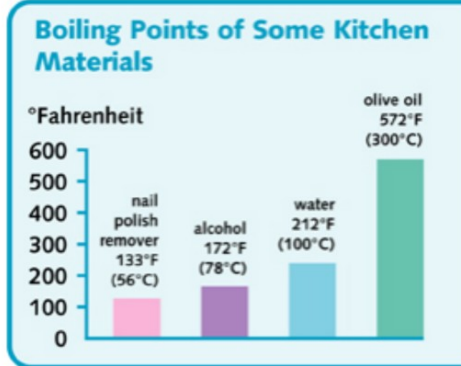
Just takes longer in winter to dry clothes

Boiling - is FAST vaporization



- Boiling point is the specific temperature that boiling occurs for different liquids

- Ex) Water boils at 100°C



Freezing point - the temperature in which liquids freeze
(this is different depending on the liquid)

Melting point - the temperature when a substance melts
(Differs for different liquids)



Candle wax melts about 53°C



Silver melts about 691°C



Maple Syrup



Ketchup



Water

What is the difference?

Teacher's supplies needed

- Ketchup, water and syrup are all fluids that flow. Our body contains many fluids, such as blood, or watery cytoplasm inside cells.

Definition

substance

Fluid - is any form of matter that flows

- can be either liquid or gas (No definite shape)

Air flows

example) Food Fluids (Water, oil, maple syrup, ...)

Cleaning Fluids and cream

Bodily Fluids

Industrial Fluids (Compressed air in tires, lubricants, ...)

Discussion:
What about silly putty?

[Is silly putty a solid or a liquid?? | Viscoelasticity | Physics - YouTube](https://www.youtube.com/watch?v=QS1jndBHeME)

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