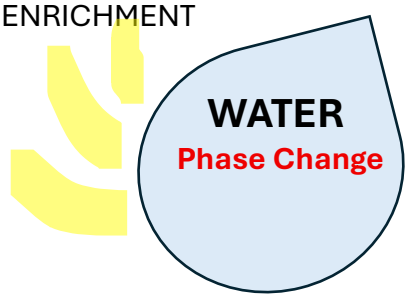
LAB ENRICHMENT O2K CHEM L2-3 QUIZ #3



God's amazing grace showers us with life-giving rain, freshwater streams, and a world where water exists naturally in 3 states of matter. All 3 phases are essential for life to exist on Earth.

VOCABULARY: Change Actions/Conditions

Melting	Freezing	Condensing	Evaporating	Boiling	Sublimination

1. _____ a solid turns into a gas/vapor, skipping the liquid phase.
2. _____ a liquid hardens into a solid (ice).
3. _____ a gas/vapor transforms to a liquid (rain/water).
4. _____ a liquid slowly converts a gas/vapor (steam/clouds).
5. _____ a solid transforms into a liquid (water).
6. _____ an action or temperature where liquid quickly turns to a gas.

TEMPERATURES OF CHANGE:

0°C	**100° C**	**32° F**	**212° F**

1. Below _____ (Celsius) – water freezes.
2. Above _____ and below _____ (Celsius) – water is a liquid.
3. Above _____ and below _____ (Fahrenheit) – water is a liquid.
4. Below _____ (Fahrenheit) – water is a solid.
5. Above _____ (Celsius) and _____ (Fahrenheit) – water boils and vaporizes.

OTHER CAUSES:

kinetic energy	Pressure change	deposition

1. When a gas changes to a solid, it's called _____.
2. Temperature is a measure of the _____ _____ of atoms and/or molecules in a substance. By increasing motion, temperature increases and vice versa.
3. _____ _____ affects temperature. Increasing pressure (shrinking/the space) increases temperature and motion, decreasing pressure decreases temp.