

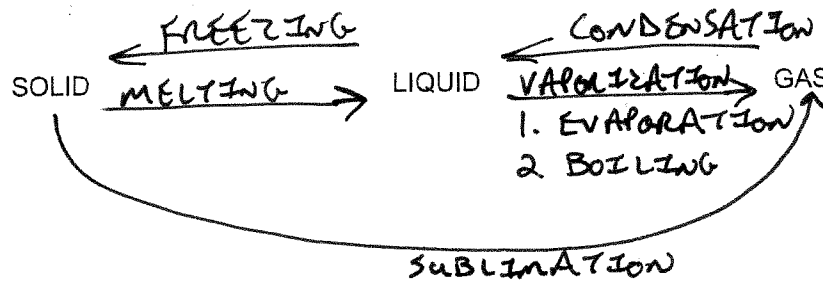
29. What are the characteristics of solids, liquids, and gases?

SOLID → DEFINITE SHAPE + VOLUME.

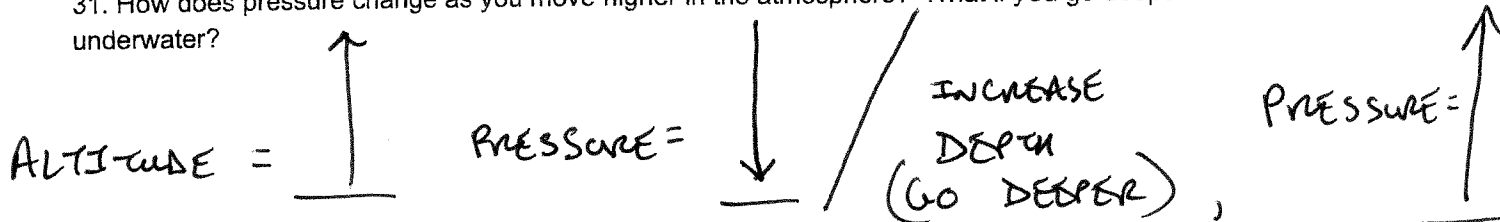
LIQUID → DEFINITE VOLUME BUT NO DEFINITE SHAPE.

GAS → NO DEFINITE VOLUME OR SHAPE.

30. Phase Change Diagram: Include the following in the diagram: condensation, melting, freezing, evaporation, vaporization, sublimation, boiling



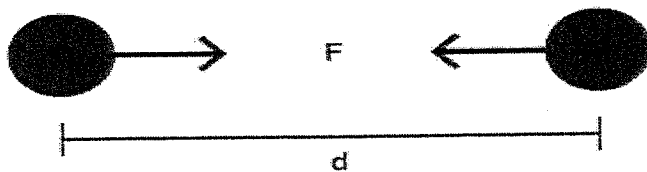
31. How does pressure change as you move higher in the atmosphere? What if you go deeper underwater?



32. How are elements, compounds, and mixtures different from each other?

ELEMENTS ARE PURE SUBSTANCES COMPOSED OF 1 TYPE OF ATOM. COMPOUNDS ARE PURE SUBSTANCES COMPOSED OF 2 OR MORE ELEMENTS CHEMICALLY COMBINED. MIXTURES ARE A PHYSICAL BLEND OF MANY DIFFERENT SUBSTANCES.

33. What does the picture illustrate? What would happen to the gravitational attraction if the two masses were moved further apart?



- NEWTON'S LAW OF UNIVERSAL GRAVITATION.
- THE GRAVITATIONAL ATTRACTION WOULD DECREASE.

34. What happens when two forces act in the same direction? What if the forces act in different directions?

- THE FORCES ADD TOGETHER.

- THE FORCES CANCEL OUT (STRONGER ONE PREVAILS)

35. If you are accelerating, you must be doing one of what three things?

A. SPEED UP

B. SLOW DOWN

C. CHANGE DIRECTION