Name Chemistry Physical and Chemical Changes

Vocab	ulary
1.	This indicates a new solid is being formed? Precipitate
2.	Term used to describe a gas converting to a liquid.
3.	Dry ice or solid carbon dioxide converts to a gas skipping the liquid phase. What is the name for this phenomenon?
4.	Frost forming on the wind shield of a car is a phase change from gas directly from a gas to a solid. What is the name for this phenomenon?
5.	Water boils at ° C and 2\\
6.	Under standard conditions solid water can be no higher then °C.
8.	A standard incandescent light bulb burns out because of a physical charge for the present oxidings of the charge. Vaporization is the transformation of a liquid to a gas at its boiling point but is the transformation of liquid to a gas when not at its boiling point.
9.	Warm air holds more moisture then cold air therefore when warm air is cooled water converts from a gas to a hour as a part of condensation.
	Water or ice turns from liquid to a solid at 0°C. This is referred to as freezing what is a better term for this process.
<u>Detern</u>	nine if the following are Chemical or physical changes. Indicate why.
1.	Cutting a persons hair. P - no ryn
2.	Water evaporating off a sidewalk. Porknophase change
3.	Water evaporating off a sidewalk. Phorxn, phase change opening a can of soda releasing gas. Phorxn, phase change change.

- 4. Leaves turning form green to brown during fall. 5. Cooking a hotdog over a campfire.
- 6. Mixing clear lead (II) nitrate with clear potassium Iodide forming a new yellow nuo substance substance.
- 7. Burning of gas in your automobile on the way to school. C- rxn combustion
- 8. Campfire. C- rxn; combustion new substances
- 9. Sharpening a pencil. O NO YXV

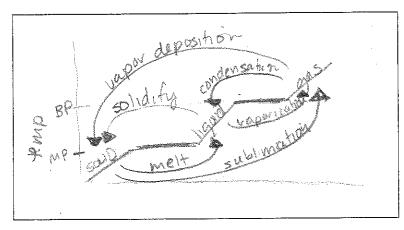
10. Formation of a liquid on your mirror during a morning shower.

D-no reaction - phase change

Graph - Draw a picture of a graph of Temperature vs. particle movement.

Label the following

- Solid
- Liquid
- Gas
- Solidify
- Melting
- Sublimation
- Vapor deposition
- Vaporization
- Condensation



Critical thinking?

A paper bowl, filled with water sits on a Bunsen burner boiling water with out burning

the bowl explain. Water boils at 100°C, keeping the paper wool enough that it will not ignite. Paper ignites at @ 233°C.

In a lab this spring we will be making soap by combining lard (fat) with lye (sodium Hydroxide). The first step is to melt down the lard. The instructions indicate to heat the lard to 80°C. This is about 10 degrees above the melting point of lard. Most groups heat the lard and notice a very slight temperature change until the very end the temperature skyrockets past the 80°C. Explain possible reasons for the sudden increase in temperature.

temp is due to energy temp rather than met lard.