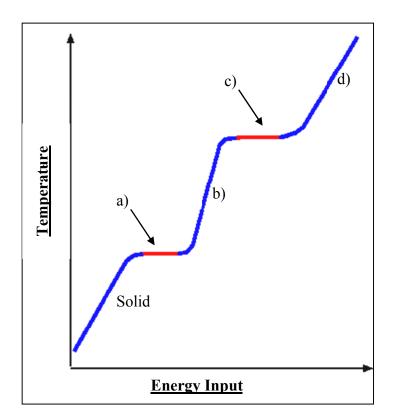
Chemistry 11		Matter Revie	ew Key	Assignmen
G 1.	41 6 11	1 (*11: : .1	. ,	10 4 1 4 1
Complete	the following sente	ences by filling in the	e appropriate word	I from the list below.
	gas	plasma	physical	
	liquid solid	matter energy	chemical evaporation	1
	Sond	chergy	evaporation	1
1)	<u>Matter</u> is	anything that has ma	ass and volume.	
2) The two	states of matter th	nat occupy a definite	volume are <u>soli</u>	<u>d</u> and
liquid	.			
3) The oth	er two states of ma	atter are gas	and plas	sma
4)	Chemical	changes alter th	ne identity of a sub	ostance, whereas
	Physical	changes do not		
Identify w	hether each of the	following changes is	a physical change	e or a chemical change.
Identify w Write a "F	hether each of the " on the line for a get) soap removing	following changes is physical change and grease	a physical change a "C" for a chemic	cal change. leaves changing colour
Identify w Write a "F C C	hether each of the " on the line for a general solution of the line for a general solu	following changes is physical change and grease	a physical change a "C" for a chemic C 9) P 10)	cal change. leaves changing colour glass breaking
Identify w Write a "F C C P	hether each of the " on the line for a general solution of the line for a general solu	following changes is physical change and grease	a physical change a "C" for a chemic C 9) P 10) P 11)	cal change. leaves changing colour glass breaking mowing the lawn
Identify w Write a "F C C P	hether each of the " on the line for a general solution of the line for a general solu	following changes is physical change and grease	a physical change a "C" for a chemic C 9) P 10) P 11)	cal change. leaves changing colour glass breaking
Identify w Write a "P C P C	thether each of the "on the line for a gray on the line for a gray of the soap removing for the firecracker exp butter melting wood rotting the soap removing the soap removin	following changes is physical change and grease	a physical change a "C" for a chemic <u>C</u> 9) <u>P</u> 10) <u>P</u> 11) <u>C</u> 12)	cal change. leaves changing colour glass breaking mowing the lawn
Identify w Write a "P C P C wer each of the	thether each of the "on the line for a gray on the line for a gray of the soap removing (a) firecracker exp (b) butter melting (b) wood rotting (c) following question there is gas that does in the soap of the s	following changes is physical change and grease bloding	a physical change a "C" for a chemic C 9) P 10) P 11) C 12) dedd.	cal change. leaves changing colour glass breaking mowing the lawn baking a cake compounds. Would it be
Identify w Write a "P C P C wer each of the	thether each of the "" on the line for a gray on the line for a gray of the soap removing (a) firecracker exp (b) butter melting (a) wood rotting (a) wood rotting (a) e following question the gas that does no the lium has no cherical the soap of the lium has no cherical the soap of the lium has no cherical the lium has	following changes is physical change and grease bloding ms in the space provinct react with other so	a physical change a "C" for a chemic C 9) P 10) P 11) C 12) dedd. ubstances to form plain your answer.	leaves changing colour glass breaking mowing the lawn baking a cake
Identify w Write a "P C P C wer each of the	thether each of the months of the months in the line for a months of the	following changes is physical change and grease bloding ms in the space provinct react with other somical properties? Expanding	a physical change a "C" for a chemic C 9) P 10) P 11) C 12) dedd. ubstances to form plain your answer.	leaves changing colour glass breaking mowing the lawn baking a cake

16) When cement is hardening it is changing state. This process also produces heat. Using what you know about cement and concrete, explain if this process is a physical or chemical change.

Chemical change:	- heat is produced
	- new chemical if formed (concrete at the end, no cement)
	- difficult to reverse the process (not always true for chemical changes)
	- state change from liquid to solid (physical change accompanying the
	chemical change)

7) In the space provided, name the phases and the phase changes that solid nitrogen would go through if it were heated as in the graph.



- a) Melting
- b) Liquid
- c) Evaporating
- d) Gas

18) What variable other than temperature can cause a substance to change state?

Pressuse changes

19) Explain the difference between qualitative and quantitative observations.

Qualitative: describes qualities of materials. ex. Colour, shape, general appearance, etc.

Quantitative: uses numbers to describe materials. ex. Height, length, mass, volume, etc.