<u>Phases</u>

	Name
Part 1	
1.) Classify each of the following as either a chemical c	hange or a physical change.
a.) the formation of fog	d.) the rusting of iron
b.) burning of marshmallows	e.) mixing yellow and blue paint to make
c.) separating an alcohol-water mixture	green paint
into water and alcohol	f.) the sprouting of a seed
2.) Describe the changes in particle motion and arrangement for each of the six phase changes.	
a.)	
b.)	
c.)	
d.)	
e.)	
f.)	
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$\underline{\text{Part 2}} - Give the following graphs a meaningful title, label the axes and indicate the phases present on each according to the following graphs as a meaningful title, label the axes and indicate the phases present on each according to the following graphs as a meaningful title, label the axes and indicate the phases present on each according to the following graphs as a meaningful title, label the axes and indicate the phases present on each according to the following graphs as a meaningful title, label the axes and indicate the phases present on each according to the following graphs as a meaningful title, label the axes and indicate the phases present on each according to the following graphs as a following graphs as a following graphs as a following graphs are according to the following graphs as a following graphs are according to the follow$
portion of the graph. No scale needs to be specified for the time axis.
3.) Benzene melts at $6^{\circ}C$ and boils at $80^{\circ}C$. Plot a graph showing the temperature vs. time behaviour of
benzene as its temperature is raised from $0^{\circ}C$ to $100^{\circ}C$.
4.) Water freezes at $0^{\circ}C$ and boils at $100^{\circ}C$. Plot a graph showing the temperature vs. time behaviour of
steam as its temperature is lowered from $120^{\circ}C$ to $-20^{\circ}C$.
20 C.
5.) Ammonium carbamate sublimes at $60^{\circ}C$. Plot a graph showing the temperature vs. time behaviour of
ammonium carbamate as its temperature is raised from $0^{\circ}\mathit{C}$ to $100^{\circ}\mathit{C}$.