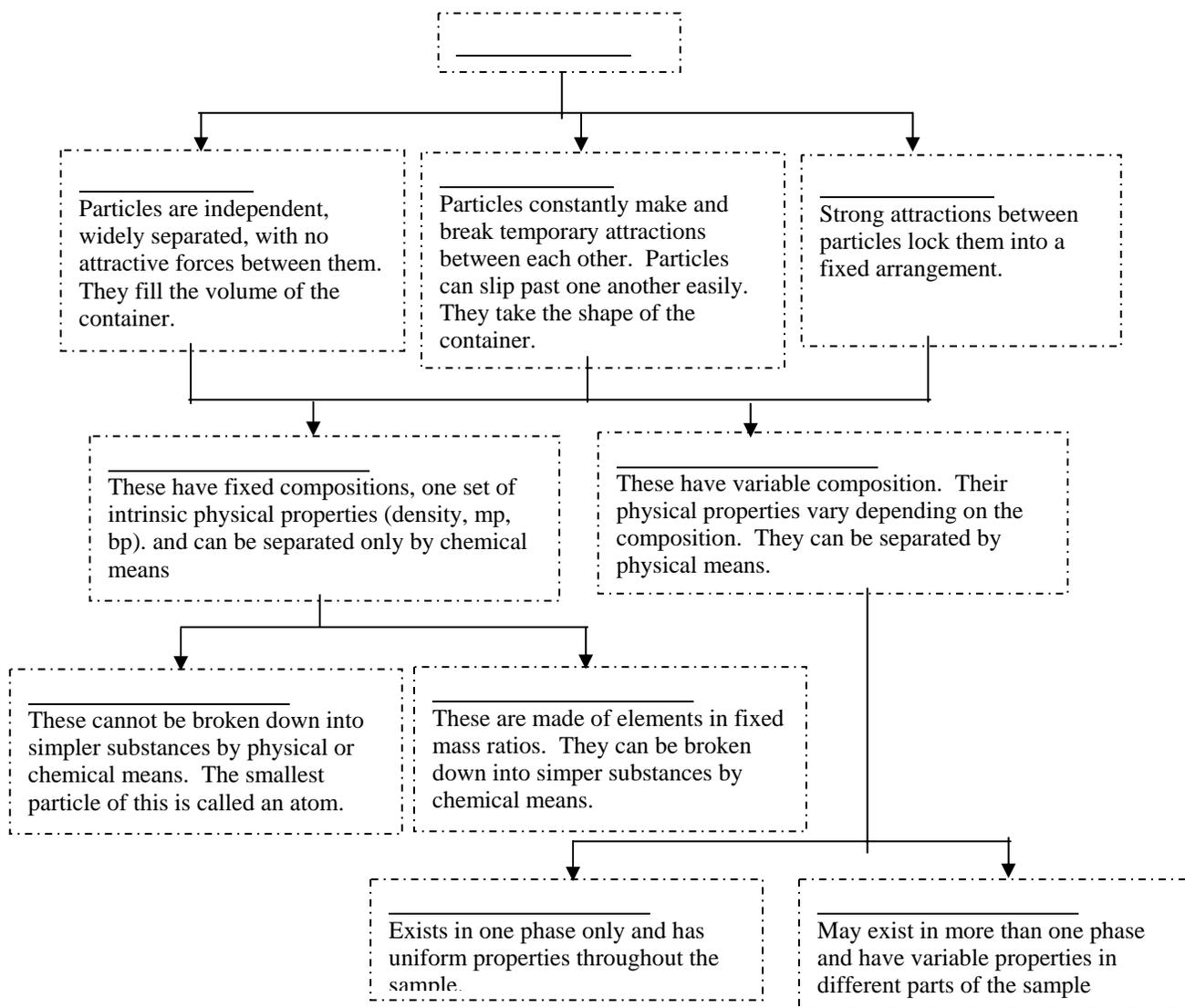


AP Chemistry – Classification of Matter Worksheet

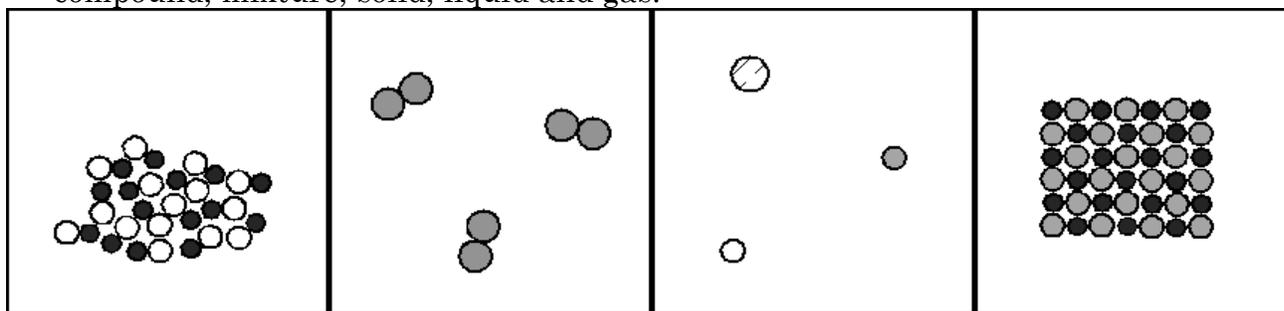
Fill in the blanks in the table with the words in the list below.



Heterogeneous
Matter
Pure Substance
Elements
Homogeneous

Liquid
Solid
Mixtures
Compounds
Gases

1. Describe the contents of each cell using the terms atoms, molecules, element, compound, mixture, solid, liquid and gas.



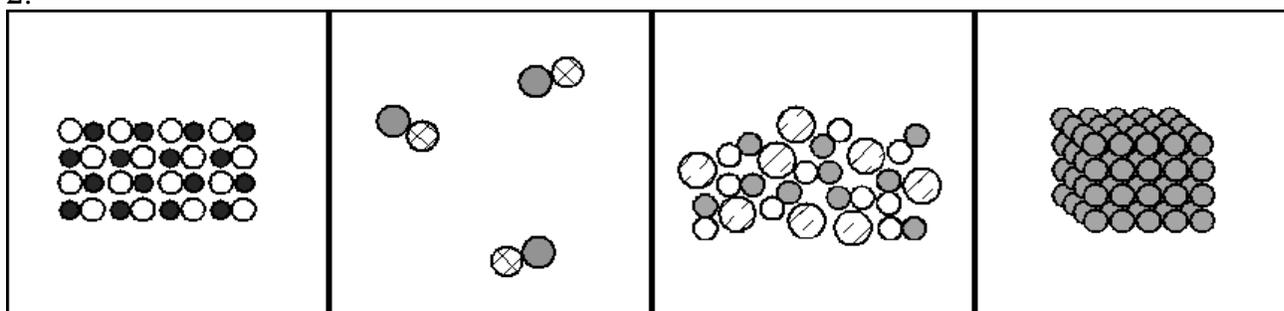
A

B

C

D

2.



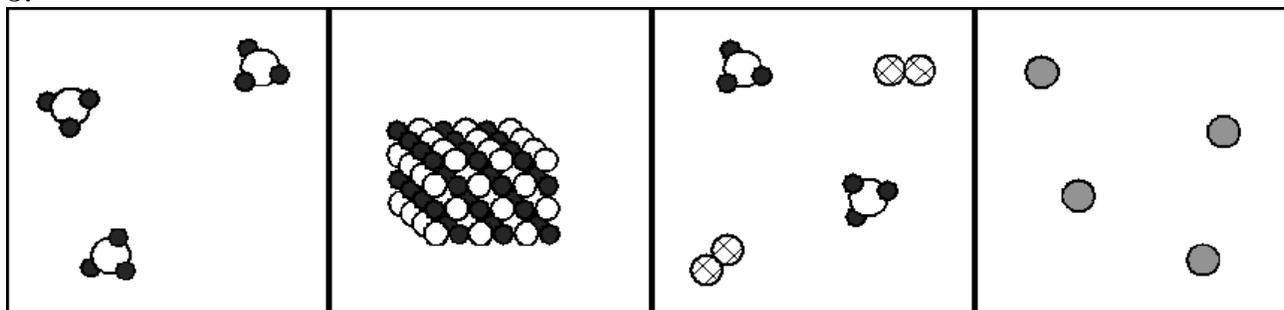
A

B

C

D

3.



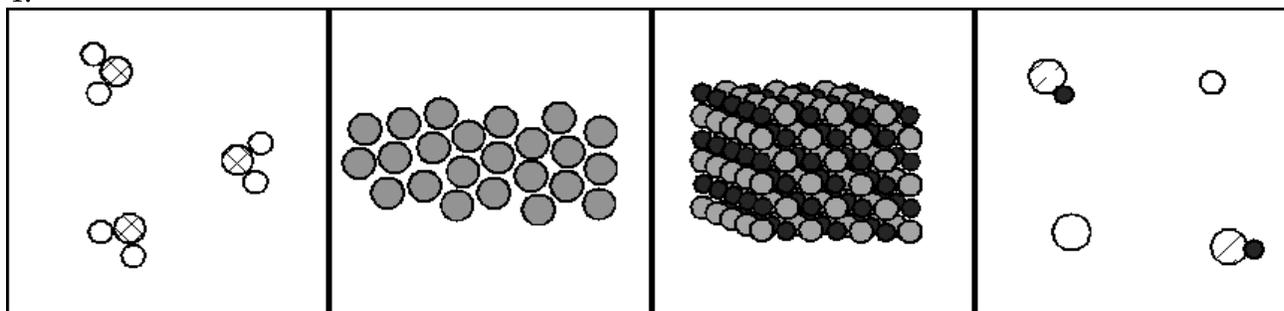
A

B

C

D

4.



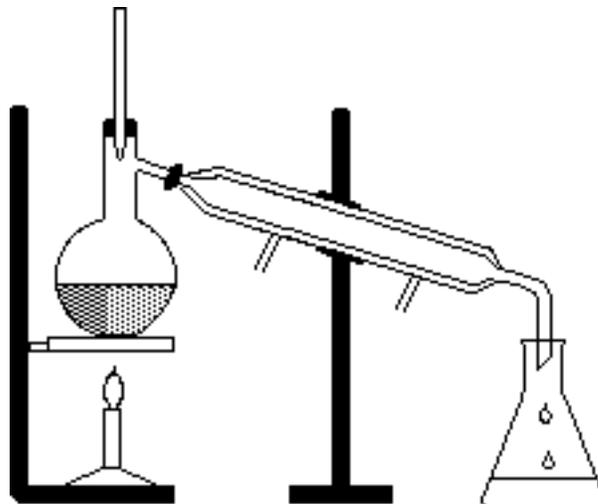
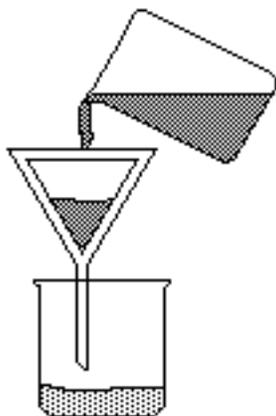
A

B

C

D

6. Identify the separation techniques pictured below. Which technique would be useful to separate a mixture of sand and salt? Of salt and water?



7. Identify the steps you would take to separate a mixture of sand and salt and find its mass composition (how many grams of salt and sand). Imagine you are actually going to do this in the lab so try to be as specific as possible.