

Item #: _____

Matter Unit Study Guide

Name: _____

Describe **and** give an example (can be an illustration) for the following:

1) Melting Point (also identify heat flow)	2) Freezing Point (also identify heat flow)
3) Boiling Point (also identify heat flow)	4) Condensation (also identify heat flow)
5) Evaporation (also identify heat flow)	6) Atom
7) Element	8) Molecule
9) Physical Change	10) Chemical Change
11) Solute	12) Solvent

13) How do you find the density of an object? How do you find the Mass? How do you find the Volume (hint two ways)?

14) Practice Density problem: A cube that is 3cm in length, width and height has a mass of 81grams. What is its Density?
"Show your work"

15) Why can't you see individual molecules or atoms?

16) DESCRIBE how each state of matter behaves (Volume and shape) and give an example for each:

SOLID

Liquid

Gas

17) Heat energy causes molecules to do what?

18) What has to happen for something to melt or evaporate?

19) Draw how the particles are in each state of matter (include motion lines):

Solid:

Liquid:

Gas:

20) List the 7 properties of matter and **BRIEFLY describe** each one.

a. b.

c. d.

e. f.

g.

21) **REVIEW:**

Description	Example
Independent Variable	
Dependent Variable	
Control Variable	