

Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 7A – Introduction to States of Matter

20 Points

Complete the following questions based on the in class presentation

What is a state of matter?	What are the two main properties used to define a state of matter?

For the following state of matter, define each property listed below for each given state of matter

State of Matter	Solid	Liquid	Gas
Volume			
Shape			

Define each property of the gas state

Volume (V)	Pressure (P)
Temperature (T)	Number of Particles (n)

Answer the following questions about gases

How does a gas particle move within a container (<i>in general</i>)?	Why can we not measure the <i>mass of a gas</i> directly with a balance?