

Name: _____

Date: _____ Hour: _____

- 1) Identify the parts of a periodic table entry:

_____	hydrogen	_____
_____	1.008	_____
_____	1	H

- 2) Fill in the following chart about sub-atomic particles:

Name	Symbol	Location	Charge
proton			
neutron			
electron			

- 3) Identify the information about the following elements from the periodic table:

Name	Symbol	Avg. Atomic Mass	Atomic Number
phosphorus			
	V		
		195.1 amu	
			96

- 4) How did Democritus's ideas about what matter is composed of differ from those of Aristotle?

- 5) List four ideas of Dalton's Atomic Theory:

a) _____

b) _____

c) _____

d) _____

6) How did the Atomic Theory explain the Law of Conservation of Mass? _____

7) What are two things that we now know are wrong with Dalton's Atomic Theory? _____

8) What subatomic particle did J.J. Thomson identify? _____

9) Draw the "plum pudding" model of the atom. Label the parts:

10) Draw the set-up of Rutherford's gold foil experiment. Label the parts:

11) What were **three** conclusions from Rutherford's gold foil experiment?

a) _____

b) _____

c) _____
