

# CHEMISTRY HOMEWORK SHEET

NAME \_\_\_\_\_

5	7
<b>B</b>	5 B
10.811	5 protons 5 electrons 2 neutrons

GREEK → DALTON's → THOMSON's → RUTHERFORD's → BOHR → WAVE (QUANTUM)

Use the above terms to fill in the name of the Atomic Model associated with the following:



Law of multiple proportions \_\_\_\_\_

atoms must be balanced \_\_\_\_\_

matter cannot be infinitely divided \_\_\_\_\_

proved Plum Pudding to be wrong \_\_\_\_\_

plum pudding \_\_\_\_\_

famous Gold Foil Experiment \_\_\_\_\_

can only predict where the electron might be \_\_\_\_\_

Democritus, 2500 years ago or so \_\_\_\_\_

“emptiness” of the atom \_\_\_\_\_

2 electrons, 8 electrons, 18 electrons \_\_\_\_\_

electron cloud \_\_\_\_\_

used alpha (positively charged) particles \_\_\_\_\_

electrons in orbits \_\_\_\_\_

atoms are small, hard particles of different shapes & sizes \_\_\_\_\_

atoms of same element are exactly alike \_\_\_\_\_

all based on probabilities \_\_\_\_\_

compounds formed by joining atoms of 2 or more elements \_\_\_\_\_

corpuscles \_\_\_\_\_

found a positively charged nucleus \_\_\_\_\_

used a Crooke's tube (cathode ray tube) \_\_\_\_\_