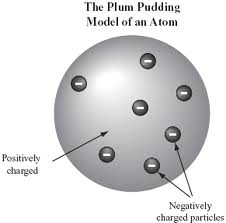
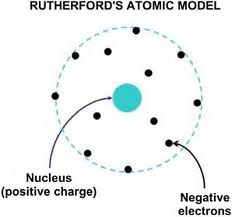
Quantum Quiz

/ 14

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the appropriate scientist below their model of the atom. [5]





Aristotle

Laviosier

Thomson

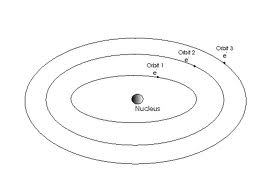
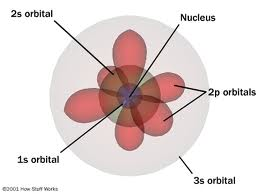
Bohr

Rutherford

Democritus

Dalton

Quantum Theory



1. List four possible quantum numbers for the 1st electron found in a 2p orbital. [2]

n =\_\_\_\_\_\_\_\_\_ l =\_\_\_\_\_\_\_\_\_ ml =\_\_\_\_\_\_\_\_\_\_\_\_\_ ms =\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the electron configuration for Gallium (31 electrons). [2]
2. Write the shorthand electron configuration for Gallium. [1]
3. What would the Lewis Dot Diagram be for Gallium? [1]
4. Draw Energy level diagram (do on the back) for Gallium ion Ga +3. [3]