STUDY GUIDE 3-1 and the Bohr Model

1. Match the particle with its charge.

_____ Proton	a) negative
_____ Neutron	b) positive
_____ Electron	c) neutral

2. The atomic number is equal to the number of _____ in the nucleus.

3. Why is an atom neutral?

4. What is the unit of mass for particles in an atom?

5. What does the atomic mass tell us about the number of protons and neutrons in an atom?

6. Potassium has an atomic number of 19 and an atomic mass of 39.
   How many protons does Potassium have? _____
   How many electrons does Potassium have? _____
   How many neutrons does Potassium have? _____

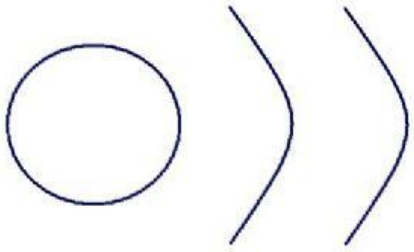
7. Most of the mass of an atom is in the _____.

8. _____ True or False. Electrons have a large mass compared to the nucleus.

BOHR MODELS

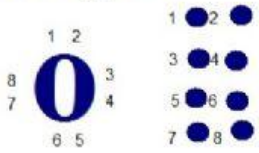
9. Oxygen atomic number 8, atomic mass 16. Draw a Bohr Model.

Protons _____
Neutrons _____
Electrons _____



For the Dot Diagram check the answer from the link in the study packet.

Dot Diagram



Family___ Period___