

Name \_\_\_\_\_  
Period \_\_\_\_\_

JMJ

Date \_\_\_\_\_  
Miss Pisciotta

### Chapter 9 Homework Sheet

#### HW#1: Scientists

In a **CHART**, list ALL of the scientists in lesson 1 and then explain what they believed or discovered. Include how they did it and what the model may resemble.

#### HW#2: Bohr Diagrams

1. What are energy levels?
2. What is a period?
3. What is a group?
4. Create Bohr diagrams for elements 1-20

#### HW#3: Lewis Dot Diagrams

1. What are valence electrons?
2. Create Lewis dot diagrams for elements 1-20

#### HW#4: Protons, Neutrons, Electrons

1. Copy Table 2 on page 326
2. What is the atomic number? What does it tell you about the atom?
3. What is mass number? What does it tell you about the atom?
4. What is an isotope?
5. What is the average atomic mass?

#### HW#5: Radioactive Decay

1. Who discovered radioactivity?
2. What two elements were discovered?
3. Identify and describe the three types of nuclear decay. Include: What is the particle made of? What happens to the atomic number? What happens to the mass number/AM? What can they pass through? What is it similar to?

#### HW#6: IONS

1. What is a positive ion?
2. What is a negative ion?

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