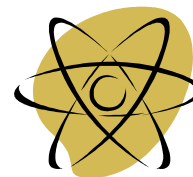


Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Chemistry

Worksheet



# The Planetary Model

**DIRECTIONS:** Write the best answer for each of the following on the blank provided.

- \_\_\_\_\_ 1. the energy levels of the Bohr model
- \_\_\_\_\_ 2. a spectrum with all the wavelengths in a specified region
- \_\_\_\_\_ 3. Planck's constant
- \_\_\_\_\_ 4. the highest energy state of an electron
- \_\_\_\_\_ 5. to be used only in whole number amounts
- \_\_\_\_\_ 6. a spectrum with missing wavelengths in a specified region
- \_\_\_\_\_ 7. the lowest energy state of an electron
- \_\_\_\_\_ 8. a quantized unit of energy

**DIRECTIONS:** Determine the correct scientist.

- \_\_\_\_\_ 9. he applied the quantum theory and line spectra to the Nuclear model
- \_\_\_\_\_ 10. he explained the photoelectric effect
- \_\_\_\_\_ 11. he proposed light was made of small quantized energy packets
- \_\_\_\_\_ 12. he derived the mathematical relationship between the hydrogen spectrum and the visible light spectrum

**DIRECTIONS:** Describe the Planetary atom using complete sentences.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**“There are two things that are most difficult to do: to think  
and to do things in order of importance.”**