

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

Worksheet



# Light as a Particle

**DESCRIBE** the contributions of the following scientists.

Isaac Newton –

Albert Einstein –

Max Planck –

Neils Bohr –

**LIST:** the value of the following constants.

R = \_\_\_\_\_ c = \_\_\_\_\_ h = \_\_\_\_\_

**CALCULATE:** Show your work.

\_\_\_\_\_ Find the frequency of the EMR with a wavelength of 575 nm.

\_\_\_\_\_ Determine the energy of the above photon.

\_\_\_\_\_ What color is the photon in problem?

**DESCRIBE:** the Bohr atom.

---

---

---

**"It is the capacity to develop and improve their skills that  
distinguishes leaders from followers."**

**~ Warren Bennis & Bert Nanus**