Name: _____ Date: _____ Class: _____

Light Sensor Pre-Quiz Answer Key

1. **How do humans sense light?**

    Humans have two eyes that collect light that falls on objects in front of them, and helps them to "see" the objects.

2. **Provide an example "stimulus-sensor-coordinator-effector-response" framework using the human light sensor.**

    Example: sight of a scary object such as a wasp > two eyes > signals to human brain via nerves > signal to leg muscles > run to safety

3. **Give some examples of light sensors in engineering systems.**

    Examples: cameras; sensors that turn lights on when it gets dark; porch lights, streetlights and car headlights that turn on automatically in low light or at night