

## Color 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 human eyes as the color 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 color 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***