Name: _____ Date: _____ Class: _____

Follow the Light Pre-Quiz Answer Key

1. **Provide a "stimulus-sensor-coordinator-effector-response" framework using human eyes as the color sensor.**

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

   Stimulus-to-response framework: sight of a scary object such as a wasp > two eyes > human brain > signal to leg muscles > response: run to safety

2. **Provide the logic for a program for a LEGO robot that enables it to follow a flashlight.**

   Use two color sensors attached to the front of the taskbot.

   Turn the taskbot towards the sensor (of the two) that reads the higher intensity of light.