

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Touch Sensor Pre/Post Quiz **Answer Key**

1. Where on our bodies do we have touch sensors?

**We have touch (or tactile) sensors on our skin all over our bodies since we feel the sense of touch everywhere.**

2. Provide an example “stimulus-sensor-coordinator-effector-response” framework using the human touch sensor.

**Hot object > touch it using a finger > nervous system > muscle > move finger back**

3. When you press the LEGO touch sensor, what exactly happens and how does it convey the signal to the LEGO brick?

**When the touch sensor button is pressed, it closes a circuit (similar to when you turn on a switch) and a current is sent to the LEGO brick, which then knows that the touch sensor button was pressed.**

4. Give two examples of sensors in engineering systems that are similar to the human touch sensor.

**Examples: NXT touch sensor; sensors in the gripper of a robot**