

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

## Music by Touch Pre-Quiz **Answer Key**

1. Provide an example “stimulus-sensor-coordinator-effector-response” framework for both your (human) sense of touch and the robotic touch sensor.

**For human touch: hot object > touch using finger > nervous system > muscle > move finger back**

**For LEGO setup: button pressed > touch sensor > cable connecting to Brick > motor > move the motor**

2. Explain how the LEGO touch sensor works.

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