

Name:

Date:

Class:

Pre/Post Assessment Day 2 **Answer Key**

1. How does a sensor function?

Sensors are devices that measure a quantity of interest and send (processes) this information so that an action/instruction/decision can be implemented. There are 2 types of sensors: Detect a stimulus (Type 1), and detect the quantity/value of a stimulus (Type 2) For example type 1 tells you if a vibration was detected and type 2 tells you the intensity/magnitude of the vibrations.

2. Explain how sensors are important for our everyday life, with examples.

Just as our sensory organs provide information to our brain to help us function as humans, Sensors provide useful information that allows us to make decisions that can aid and improve how we function as well as provide safety to things we may not directly see, feel or know. An example is a smartwatch that can monitor heart rate or oxygen levels or body temperature.