



## Activity 3



Explain how projects combine hardware and software to collect data

Use the words to fill in the blank spaces.

motion sensor    collect    servomotor    hardware    microcontroller

Most projects use a combination of hardware and software to \_\_\_\_\_ information.

**S** The \_\_\_\_\_ used to collect information in the garage door project will be a \_\_\_\_\_ and a servomotor.

- The motion sensor will detect movement in front of the garage door.
- The \_\_\_\_\_ will rotate to a specified angle to open the garage door.

**E** The program you create to control the garage door will process the information using a \_\_\_\_\_. This will allow the garage door to either respond to user events or act on its own.

