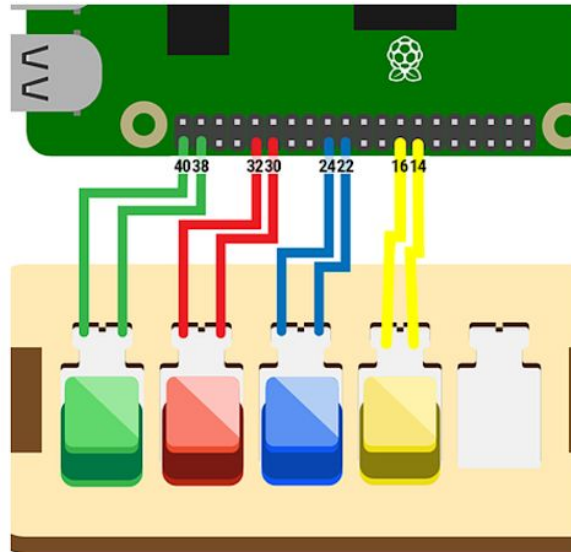


Lesson 2.1 Summative Assessment Questions

Use the picture below to answer questions 1-4:



1. The forward control button is wired up to GPIO pins __ and __ .
2. The left control button is wired up to GPIO pins __ and __ .
3. The right control button is wired up to GPIO pins __ and __ .
4. The jump control button is wired up to GPIO pins __ and __ .
5. When a control button is pressed the circuit is ____, allowing current to flow through the wires.
 - A. Open
 - B. Closed
 - C. Both open and closed
 - D. Neither open or closed
6. In the circuits created for the control buttons, energy was transferred from the __ through the ____ to the ____ and back to the Raspberry Pi.
 - A. buttons, wires, mouse
 - B. buttons, GPIO pins, screen
 - C. battery, GPIO pin, wire
 - D. battery, buttons, screen
7. When two wires connected to GPIO pins were touched together, why did you move you forward?
 - A. The circuit was closed and electric current is flowing through both pins.
 - B. The circuit was open and electric current is flowing through both pins.
 - C. The circuit was closed and electric current is flowing through one pin.
 - D. The circuit was open and electric current is flowing through one pin.

8. Which of these best describes the jumper wires used in your circuits?
- A. Jumper wires are made of a substance that prevents electricity from jumping from one place to another.
 - B. Jumper wires help players jump over objects.
 - C. Jumper wires are made of a metal internal substance that conducts electricity and a protective insulator cover that does not.
 - D. Jumper wires are what mice use to play jump rope.