

**Platform Placer: Lesson 2 – Check Your Understanding**

## Learn Questions

1. Which of the following best describes a manipulator?
  - a. Two motors that function as if they are one device
  - b. A mechanical sensor that reports if it is pressed or not pressed
  - c. A mechanism designed to manipulate an object to complete a specific task
  - d. A sensor capable of detecting 'capacitive' touch
2. The effectiveness of a manipulator is dependent on \_\_\_\_\_.
  - a. The object it is meant to interact with
  - b. The task it is meant to accomplish
  - c. The number of pieces used to build it
  - d. Both A & B
3. Which of the following is NOT a consideration when designing a manipulator?
  - a. The color of the object being manipulated
  - b. The size and shape of the object being manipulated
  - c. The way the object is meant to be moved
  - d. The weight of the manipulator on your robot
4. A \_\_\_\_\_ manipulator has \_\_\_\_\_ attached to it.
  - a. Active; no motors
  - b. Passive; no motors
  - c. Passive; a motor
  - d. Intake; no motor
5. Which of the following is true of an active manipulator?
  - a. It has a power source or motor attached to it
  - b. It is not movable
  - c. It has no motors attached to it
  - d. It is not useful for lifting an object
6. An intake is an example of a \_\_\_\_\_ manipulator.
  - a. Drivetrain
  - b. Active
  - c. Passive
  - d. Unpowered

