

Name:

Date:

Class:

Robot Arm Worksheet

Part 1: Understanding Robotic Arms

Match the term with the correct description:

- A. Gripper
- B. Base
- C. Joint
- D. End Effector

1. _____ The point where movement occurs between links.
2. _____ The "hand" that picks up or places objects.
3. _____ The part that allows the entire arm to rotate.
4. _____ The tool or mechanism attached to the end of the robotic arm.

Part 2: Programming Logic Basics

Fill in the blanks:

1. In programming, an instruction that causes the robot to wait before the next step is called a _____.
2. A _____ tells the robot to repeat a command multiple times.

Check all that apply:

When writing code to pick up an object, which three actions might be needed?

- Rotate ()
- Delay ()
- Grip ()
- Fly ()

Reflection Question

What do you think will be the most challenging part of controlling the robotic arm, and why?

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