**ACTIVITY #5**

**Type of activity: Multiple choise**

Multiple choice questions activity.

1. What is Reinforcement Learning (RL) in the context of the text?

   - a. A type of robotic platform

   - b. A branch of Machine Learning for decision-making

   - c. A simulation environment

   - d. A form of robotic manipulation

2. What does the term "Sim-to-Real Gap" refer to?

   - a. A gap in the robotic workflow

   - b. The gap between RL and simulation

   - c. Disparity between simulated and real-world conditions

   - d. A step in the RL training scheme

3. Which type of actions are typically preferred in robotics within RL?

   - a. Discrete actions

   - b. Random actions

   - c. Simulation actions

   - d. Continuous actions

4. What is a challenge related to the amount of data in RL for robotics?

   - a. Lack of computational exploitation

   - b. High sample cost and need for millions of interactions

   - c. Sim-to-Real Gap

   - d. Local minima exploitation

 5. What is the purpose of using dense reward functions in robotics within RL?

   - a. To encourage sparse rewards

   - b. To explicitly encode goal specifications

   - c. To simulate robotic tasks

   - d. To create challenges for RL algorithms