Name: _____ Date: _____ Class: _____

How Do You Make a Program Wait? Pre/Post Quiz Answer Key

1. **What is an algorithm?**

   An *algorithm* is a clear and specific procedure for solving a problem in a finite number of steps.

2. **Can you think of a reason why it might be inconvenient to program your robot to always go a precise distance?**

   If the distance is very far, this could take up a lot of time. Inconsistencies in the robot itself (power, battery charge) can also cause the robot to not always go the exact distance you program it to do.

3. **What is a stimulus? Can you think of a stimulus the robot could detect? What sensor would it use to detect the stimulus?**

   A stimulus is something that is sensed by a robot or animal and causes it to act. For the purposes of the lesson, it is sensed by the robot and this may cause it to act in a different manner.

   ***Example answer*: The robot could detect a wall in front of it with a touch sensor or an ultrasonic sensor.**