Mission 9 Assignment Log	Name:

Pre-Mission Preparation

During this mission you will set up an automatic watering system. What automated activities do you use or see?	

Mission 9 Checks

Objective #1 Give at least two facts about a relay.	
What is the benefit of using a relay?	
Objective #2 Explain how to connect the water pump and CodeX to the relay. (You can draw a diagram.)	
Objective #3 Explain the importance of priming.	
What constants are needed for coding the pump?	

Objective #4 Explain how conductivity affects the soil moisture sensor?	
More water in the soil = _____ = _____	
With more water in the soil, the readings will be: (higher / lower)	
Objective #5 What code do you add to the program to include the moisture sensor to control the water pump?	

Post-Mission Reflection

Discuss a problem you had with the program. How did you overcome the problem?	
Where are some places you may find a relay, or that could use a relay?	