

Mission 3 Assignment Log	Name:
PreMission Preparation	
This mission is about conserving energy. What are some ways technology can help you conserve energy?	
A peripheral used in this mission is the motion sensor. What are some devices you have seen or used that use a motion detector?	
Mission 3 Checks	
Objective #1 Why is the name for the peripheral "led" instead of "white_led"?	
Objective #2 What is the difference between sleep() and sleep_ms()?	
Objective #3 What is the difference between a digital output peripheral and a PWM output peripheral?	
Objective #4 How is an analog input peripheral different from a digital input peripheral?	
What does the divider do?	
When running your code, observe the lowest and highest values of the potentiometer.	Lowest value:
	Highest value:
Objective #5 Explain PIR:	
What type of peripheral is a motion sensor?	

Objective #6 What is the problem with using sleep_ms() as a delayed shutdown?	
Objective #7 Describe a non-blocking timer:	
Post-Mission Reflection	
Describe an error that happened in your code, how you detected it and how you fixed it.	
This mission uses a built-in timer for controlling lights. What other devices have you seen or used that have a built-in timer?	