

Name: _____ Date: _____ Class: _____

Quantitative Data Table Handout

Instructions

1. Turn on the LabQuest and light probe.
2. Set a timer for 2 minutes.
3. Place a testing sample in place in the testing apparatus.
4. Close the door (to shut out ambient light).
5. Turn on the UV flashlight.
6. After 2 minutes, turn off the UV light and quickly record the first 5 numbers from the light probe and LabQuest.
7. Average the 5 readings to get 1 quantitative measurement of the bioplastic's phosphorescent glow.

Using the team-created apparatus:

Sample Name							
Data 1	lux						
Data 2							
Data 3							
Data 4							
Data 5							
Average							

Using the teacher-created apparatus:

Sample Name							
Data 1	lux						
Data 2							
Data 3							
Data 4							
Data 5							
Average							

Remember the measurement notation: The light sensor unit is **lux, the SI unit of luminance, equal to 1 lumen per square meter.**