

**BIO 181 Lab 2**  
**Pill Bug/Sow Bug Experimental Design**  
**Data for Graphing**

**Brief Summary of the Set up**

2 Petri dishes are each set up with a piece of filter paper covering the bottom of the petri dish. In each petri dish the left half of the dish is kept dry. The right half of the petri dish is moistened with 3 ml of distill water (enough to moisten the paper, but not leave standing water).

10 Pill bugs are placed in each of these dishes and allowed to acclimate for 5 minutes.

After 5 minutes, the location of the pill bugs is recorded at 1 minute intervals for a period of 10 minutes. The resulting data is found below.

How would you represent this data in a graph to show results for moisture preference?  
What conclusions can you draw from your graph?

Follow the directions on the Lab 2 Week 1 webpage on what to upload in Moodle.

**Provided Raw Data:**

Time, minutes	Petri dish 1, # Pill Bugs in each condition		Petri dish 2, # Pill Bugs in each condition	
	Dry	Wet	Dry	Wet
1	6	4	5	5
2	5	5	4	6
3	7	3	3	7
4	4	6	5	5
5	5	5	6	4
6	8	2	7	3
7	6	4	5	5
8	5	5	6	4
9	7	3	5	5
10	5	5	7	3