

# Isopod Worksheet

## Activity 1. Questions

1. How do the isopods move?
2. Describe the pattern of leg movement.
3. Describe the reaction of the isopod to the stimulus of touch.

Table 1.	Wet vs. Dry Environment		Dark vs. Light Environment		Dark-Dry vs. Light-Wet Environment	
	Number of Isopods		Number of Isopods		Number of Isopods	
Time (minutes)	Wet Side	Dry Side	Dark Side	Light Side	Dark-Dry Side	Light-Wet Side
0	10	10	10	10	10	10
0.5						
1.0						
1.5						
2.0						
2.5						
3.0						
3.5						
4.0						
4.5						
5.0						
5.5						
6.0						
6.5						
7.0						

## Activity 2. Questions

1. Draw three graphs on graph paper showing the number of isopods in each environment tested. Determine and label the independent variable and dependent variable.
  - a. Independent Variable
  - b. Dependent Variable
2. Based on the graphical analysis, what type of environment do isopods prefer?
3. What types of behaviors were observed when the isopods were placed in different environments?
4. Imagine that ten isopods were disturbed when the rock they were under was overturned. Describe, in detail, how the disrupted isopods are likely to react, based on your experimental observations.

# Student-Designed Experiment Worksheet

1. List the independent and dependent variables.
2. Hypothesis
3. The objective of the experiment.
4. What data will be collected?
5. Materials necessary
6. Outline of the procedures
7. On a separate sheet of paper, design a data table.
8. Did the results support the original hypothesis? Explain.
9. Rewrite the hypothesis, objectives, materials, procedures and data table based on any changes recommended by the group who conducted the experiment.