

Name: _____ Date: _____

Are We Alone? – Data Worksheet

Instructions

Before beginning activity, complete the table below. List functions that you think are key to life in the left column. Describe each function in the right column.

Criteria for Life Table	
Function	Descriptions of Function

Group Hypothesis: _____

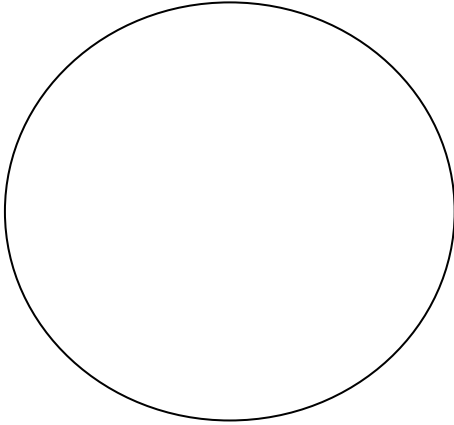
1. Observe soil sample A, B and C without any water. You may look and touch the soil sample; however, you may not taste any of the samples. Record what you see in the given space below.

Sample A: _____

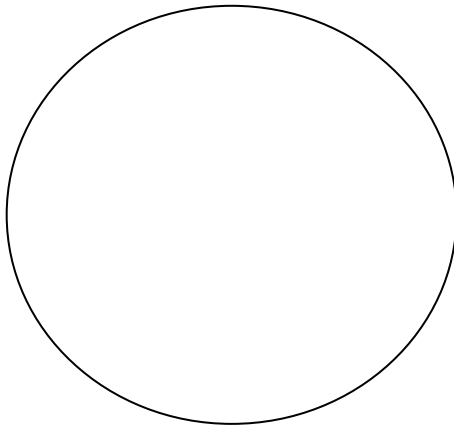
Sample B: _____

Sample C: _____

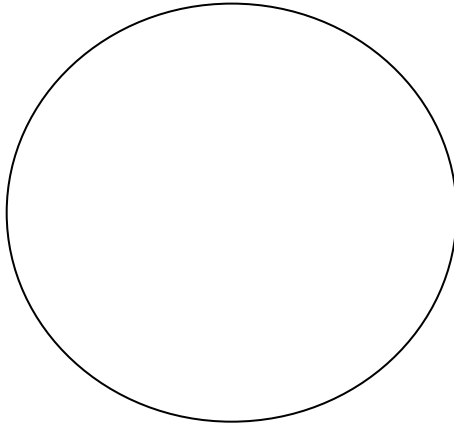
Sketch the soil samples in the given area below:



Sample A



Sample B



Sample C

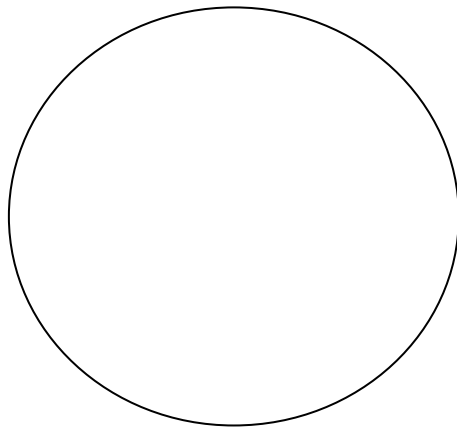
2. Observe soil sample A, B and C with hot water. Look for the differences caused by adding the hot water. You may look and touch the soil sample; however, you may not taste any of the samples. Record what you see in the given space below.

Sample A: _____

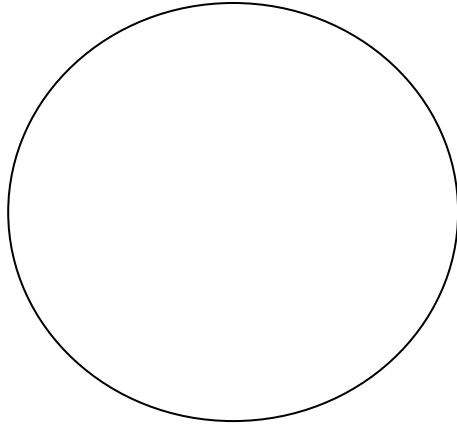
Sample B: _____

Sample C: _____

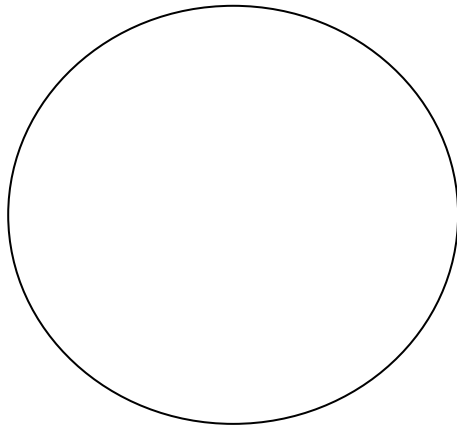
Sketch the soil samples with water in the given area below:



Sample A



Sample B



Sample C

3. Look at the observations that you recorded for Questions 1 and 2, and conclude if any sample(s) contain life. Use the Criteria For Life table on the first page to support these conclusions.

Sample	Contains Life?	
	Yes	No
Soil Sample 1		
Soil Sample 2		
Soil Sample 3		

a. Which sample(s) showed signs of life?

Support this conclusion.

b. Which sample(s) did not show signs of life?

Support this conclusion.

4. Are there any other tests that could be done to detect signs of life?
