

Graphing Lab

Purpose: This lab is designed to test your graphing skills.

Materials: pencil / pen and ruler

Procedure: Use the attached graph paper to plot graphs for the following problems. Make sure to label all parts of the graph and title the graph.

1. Baby chickens require a constant source of food. As chicks grow, more energy is required for daily activities. The following table gives the grams of food eaten by a chick over a five day period:

Number of Days	Food Eaten (grams)
0	0.0
1	1.0
2	3.2
3	6.5
4	10.6
5	15.4

2. A water plant placed in bright light gives off bubbles of oxygen. In the lab, it was noticed that if the light were placed at different distances from the plant in the aquarium, the rate of bubbling varied. Plot a graph for the following data:

Distance from Light (cm)	Oxygen Bubbles/Minute
10	40
20	20
30	10
50	3

Questions:

1. How much grain will the chick eat on the sixth day?
2. How much grain will the chick eat on the seventh day?
3. How much oxygen would be released at 25 cm?
4. How much oxygen would be released at 35 cm?