





A Mealworm's Bright Night

Name: _____

Class Question: Will mealworms eat if it's too bright?

The Experiment: Setup

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
DARK	START! 	LIGHT + FOOD	X	LIGHT + FOOD	START! 	DARK

Class Setup: Circle what the whole class agrees to do for each part of the experiment.

- **Number of Worms:** 1 5 20 100
- **Amount of Time:** 30 seconds 5 minutes 1 Hour

Group Setup: Pick your experiment cards. Circle what your group will do for each part of the experiment.

- **Brightness Level:** 1 2 3
 Classroom Light One Flashlight Two Flashlights
 Least Bright *Most Bright*
- **Food Type:** Dry Oatmeal Apple Cracker

Prediction: I think more of the mealworms will travel towards the

FOOD / DARK (*circle one*) because _____

Results: How many worms were in each compartment at the end?
Use tally marks to count your worms in each box.

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
DARK	START!	LIGHT + FOOD	X	LIGHT + FOOD	START!	DARK

- 1) How many total worms went into the dark? _____
- 2) How many total worms went into the light for food? _____
- 3) Our group used brightness level _____ which was the
LEAST / MIDDLE / MOST bright (*circle one*) and
DRY OATMEAL / APPLE / CRACKER (*circle one*) for food.
- 4) More worms went towards the DARK / FOOD (*circle one*) because
_____ total worms went into the dark and
_____ total worms went into the light for food.
- 5) Why do you think your worms acted this way? _____

Once you are done, help your teacher clean up!



Data Analysis: SHARE your findings to record on the class data sheet!

Analyze  **LOOK!**
To analyze is to look at closely.

Data   
Data is the information we collect from an experiment.

Independent Conclusion: *(to be completed after class data analysis)*

6)The group with the **most** mealworms who went into the **dark** used brightness level _____ and _____ for food.

7)The group with the **most** mealworms who went towards the **light and food** used brightness level _____ and _____ for food.

8)Overall the class experiments usually showed that **MORE / THE SAME / FEWER** *(circle one)* mealworms went into the light for food than went into the dark.

9)Class Question: Will mealworms eat if it's too bright?

If it's too bright, mealworms _____

_____.