

Worm Work

Procedure

- 1. Observe** Work in a group. Place an earthworm on a moist paper towel. Use a hand lens to examine the earthworm. **Safety:** Wear gloves and handle the earthworm gently.
- 2. Record Data** In the space below, describe and draw the earthworm.

- 3. Experiment** Line the bottom of a shallow pan with moist paper towels. Place a sheet of black construction paper so it covers one half of the pan.
- 4. Predict** Predict whether the earthworm will prefer the light or dark side of the pan. Record your prediction on the line below.

- 5. Experiment** Place the earthworm in the center of the pan. Hold the flashlight about 30 cm above the uncovered side of the pan. Turn on the flashlight. Wait 3 minutes. Then observe which side of the pan the worm is in. Record your observations in the chart on the next page.

Trial	Worm found in light or dark?
1	
2	
3	
4	

6. Experiment Repeat step 5 three times.

Conclusion

Write the answers to the questions below.

1. Analyze Data Was your prediction correct?

2. Infer Why do you think earthworms live in soil and not on top of soil?

Investigate More!

Design an Experiment Find out if earthworms prefer smooth or rough surfaces. You can use sandpaper as a rough surface. Get permission from your teacher and carry out the experiment.