

**Junior Biologist:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**EARTHWORM LAB**

**Purpose:** To determine if earthworms prefer dry or moist environments? To determine which surface an earthworm would travel the fastest on – construction paper, tin foil, or saran wrap.

**Hypothesis: If\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Then\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Materials:**

|  |
| --- |
| **For Dry/ Wet Experiment:** |
| 1. Live earthworm 2. Water 3. Tray 4. Eye dropper – to keep earthworm moist 5. Paper towels 6. Timer 7. Construction paper, tin foil, saran wrap 8. Flashlight (share please) 9. Magnifying lens |

**Procedure:**

1. Gather materials.
2. Set up your dry/wet environment
3. Place earthworm in its environment
4. Count the segments using the magnifying lens
5. Record your observations in your data table.
6. Place earthworm on tin foil, construction paper, and saran wrap.
7. Place the earthworm on each of the above surfaces.
8. Time how long the earthworm moves on each surface – 10 cm.
9. Record your data.

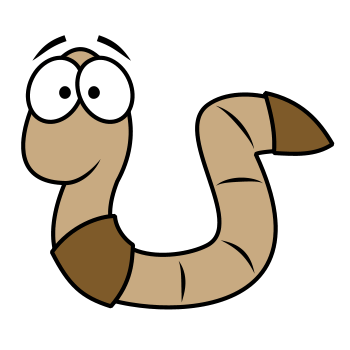
**Draw a picture of the set up:**

**DATA:**

|  |  |  |
| --- | --- | --- |
| **Surface:** | **Observation:** | |
| Tin Foil | \_\_\_\_\_\_\_ Seconds | \_\_\_\_10\_\_\_\_\_ cm |
| Construction Paper | \_\_\_\_\_\_\_ Seconds | \_\_\_\_\_10\_\_\_\_ cm |
| Saran Wrap | \_\_\_\_\_\_\_ Seconds | \_\_\_\_\_10\_\_\_\_ cm |
| Number of Segments | \_\_\_\_\_\_\_\_\_\_\_\_ Segments |

**CLEAN UP (wash all equipment and hands)**

**MAKE SURE TO PLACE YOUR WORM IN THE DESIGNATED AREA.**

**Results: (2-3 Sentences about what you learned)**  

**Conclusion: (Was Hypothesis Correct? Evidence Statement – rewrite data in sentence format. Future Plans) - ALL 3 PARTS MUST BE INCLUDED!**