**Motility – Qualitative**

What kinds of motion does a planarian normally make?

We will observe the planarians for 5 minutes. Write down the start time.

Each time the planarian makes a new motion, draw it. When the planarian repeats the motion, make a tally mark.

Write down the end time at the end of 5 minutes.

**Trial 1: Trial 2:**

|  |  |
| --- | --- |
| Start Time: End Time: | Start Time End Time: |
|  |  |

**Motility – Quantitative**

How far does a planarian normally move in 5 minutes?

Make sure your planarian is in a petri dish on graph paper. We will observe for 5 minutes. Write down your start time.

Each time the planarian crosses a line on the graph paper, make a tally mark.

Write down your end time at the end of 5 minutes. Count your tallies and write down the total lines crossed.

**Trial 1: Trial 2:**

|  |  |
| --- | --- |
| Start Time: End Time: | Start Time End Time: |
|  |  |

**Total lines crossed T1: \_\_\_\_\_\_\_\_\_\_ Total lines crossed T2:\_\_\_\_\_\_\_\_\_\_\_**

**Place Preference:**

What does a planarian prefer – the dark or the light?

Slide half of your petri dish into the paper cover. Leave half in the light. We will observe for 5 minutes. Write down your start time.

Each time your planarian enters the light, start your stopwatch. When it goes in the dark, pause your stopwatch (but DO NOT reset it). When it returns to the light, continue running your stopwatch.

At the end of 5 minutes, write down your stop time. Then record how much time the planarian spent in the light. Subtract that from 5 minutes and write down that number as the time they spent in the dark.

**Trial 1: Trial 2:**

|  |  |
| --- | --- |
| Start time: End time: | Start time: End time: |
| Time in light: Time in dark: | Time in light: Time in dark: |
| Preferred side: | Preferred side: |