

**Questions:** Do planaria exhibit positive or negative phototaxis?  
If a planaria is cut, how will it regenerate?

**Hypotheses:**  
\*\* part one:

\*\* part two:

**Procedures:**

- Response to light --
1. Gently position your planaria in the middle of your petri dish.
  2. Put the petri dish on a white piece of paper, cover half of it with foil.
  3. Turn on the light for 5 minutes -- record the amount of time your planaria spent on each side.
  4. Record your results on the board and obtain class averages.

- Regeneration --
1. Transfer your planaria to a drop of water on a glass slide.
  2. Cut the worm with a razor in the pattern directed.
  3. Draw and date the pieces in your results.
  4. Set your labeled petri dish on the back ledge -- check, draw and date periodically to observe regeneration.

\*\* Controlled variable (that which does not change throughout the investigation):

\*\* Manipulated variable (that which has been changed during the lab):

\*\* Responding variable (what responded to the changes?):

**Data:**

group results

class average

Time in the light:

Time in the dark:

Diagram of cuts:

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(on the back: pictures from Nov. 18, 20, 22, 25, 27, and conclusion)

