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 LANT 3050 Immortality
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 Planaria Lab

| Group 5 | Cut | Observations 4/5/17 | Predictions | Findings 4/12/17 |
|---------|--|---|---|--|
| 1 | Cut just below head. Save tail. | Head not completely cut? Tail is still responding to light. Can clearly see cut on the tail, also noticing that it is forming a seal. | Head will re-grow, but be smaller and lighter than the body. Time to develop sensitivity to light. | Regenerated head that is smaller and lighter than the body. Moves slowly (in comparison to uncut subject) when interacting with the light Separate piece of tail looks to have been split off. This piece is not sensitive to light, but does move when prodded. Most likely regenerated head and then split itself from the body. |
| 2 | Cut horizontally in the middle. Save head. | Head quickly forms seal where the cut was made. Can see the horizontal wound line become rounded. Not shying from light. | Bigger head than body, will be light-sensitive. | Regenerated body is darker. Bigger head than body. Slow to react to light. |
| 3 | No cut. | Planaria behaving normally; shying from light. | Little to no change will occur. Will the subject grow larger? Unsure about rate of growth. | Piece of dirt contaminated dish? Two different planaria. One is smaller than other. We hypothesize that this split occurred because of depleted resources, which normally prompt planaria to split. Smaller subject is also lighter. They are both equally sensitive to light. |