Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Why Do Pirates Wear Eye Patches?**

1) What are our predictions on why Pirates would wear eye patches?

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2) Do you think you can do the dark optical course better with an eye patch? Form your hypothesis.

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Materials

* eyepatch
* timer
* materials for obstacle course

Procedure

* Wear the patch over one eye while exposed to bright sunlight for a 3 minutes.
* Enter the darkened space and navigate the obstacle \*without\* moving the eye patch.
* Record the time it takes to complete your task.
* Spend the same amount of time in the sunlight (3 minutes), but this time, switch the patch to your other eye after entering the dimly-lit obstacle space.
* Record the time it takes to complete your task.

Data Table (Record your time and 3 others):

| **Name** | **Time for Trial 1** | **Time for Trial 2** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

3) Was there a difference in times between the two trials?

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4) Why do you think that happened?

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1. What are 2 sources of error for this experiment?

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