Gravity and Bottle Flipping Data Sheet

**Prediction:** What bottle do you think will have the most frequent successful flips?

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| --- | --- | --- | --- |
| **Type of Bottle** | **Flips - record each flip with a tally mark** | **Successful Capping Flips - record each successful capping flip with a tally mark** | **Percentage of Successful Capping Lips** |
| Water |  |  |  |
| Sand |  |  |  |
| Fish Gravel |  |  |  |

**Analysis:**

1. What was the total number of all flips?
2. What was the total number of "capped" flips?
3. What substance had the most "capped" flips? Can you express this in a rate?
4. Using what you know, explain why one substance had more successful flips than the others.
5. Did the results match your predictions? Why or why not?