Lesson 5: Hydro Experiment Handout

Hypothesis: How do you think the water flow rate will affect the speed of the water wheel?

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Water flow rate:

|  |  |  |  |
| --- | --- | --- | --- |
| **Water Bottle** | **Size of Container** | **Time to Fill (seconds)** | **Flow Rate (volume/time)** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

|  |
| --- |
| Which water bottle do you think will make the water wheel turn fastest? |

Water wheel speed:

|  |  |
| --- | --- |
| **Water Bottle** | **Wheel Speed** |
| 1 |  |
| 2 |  |
| 3 |  |

|  |
| --- |
| Where is the best place to pour the water? Which water bottle made the wheel turn the fastest? |
| How did your hypothesis compare with the results? |
| Explain why the water flow rates affects the speed of the wheel. |