

Bumper Coaster with Hills!

No alligators,
guaranteed!

Name: _____

MYSTERY science
Energizing Everything | Mystery 3

Set up your experiments like this. (Each experiment uses 2 marbles. ● ● The Hill Marble always starts at the top. The Bumper Marble is in a different place each time.)

Do each experiment 4 times (do 4 trials).
Draw where both of the marbles ended up in your trial.



1.	<p>High Hill</p> <p>Valley</p>	<p>Goal</p>
2.	<p>High Hill</p> <p>Medium Hill</p>	<p>Goal</p>
3.	<p>High Hill</p> <p>Valley</p>	<p>Goal</p>
4.	<p>High Hill</p> <p>Low Hill</p>	<p>Goal</p>

5. What pattern do you notice about the experiments where BOTH marbles made it to the goal? _____

6. How could you explain this pattern in terms of energy? _____