

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.	High Hill Valley	Goal
2.	High Hill Medium Hill	Goal
3.	High Hill Valley	Goal
4.	High Hill Low Hill	Goal

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? _____