

Bumper Coaster with Hills!

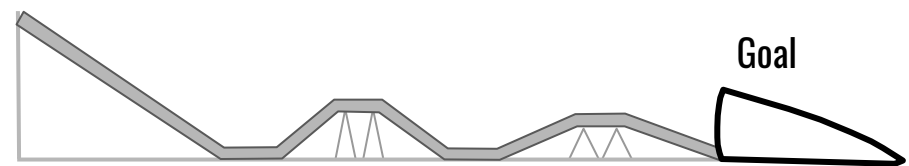
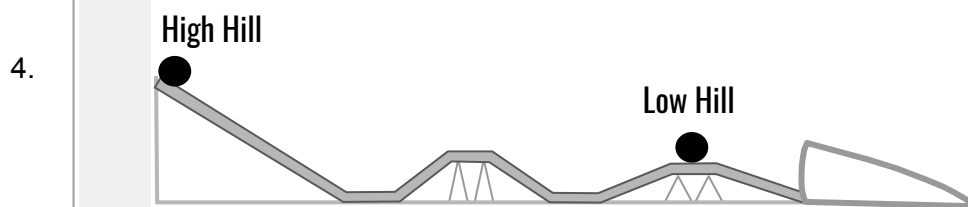
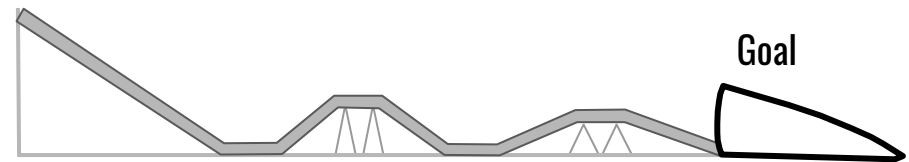
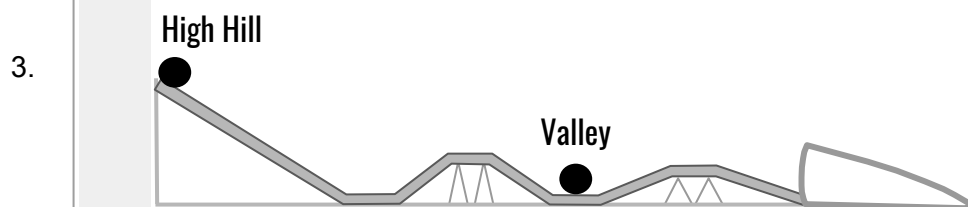
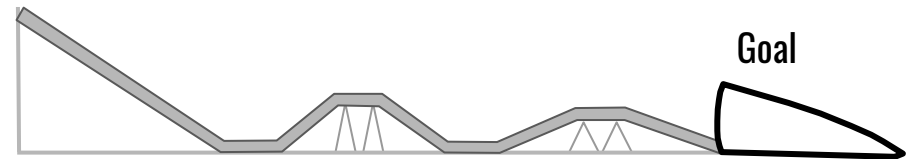
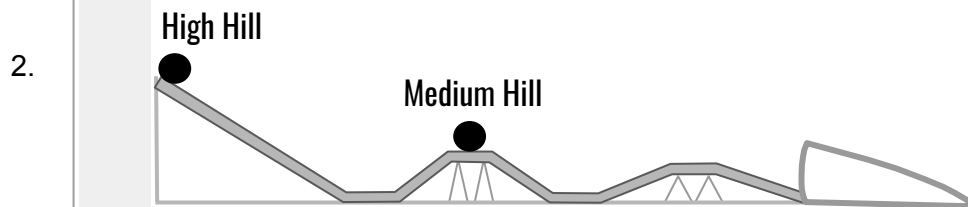
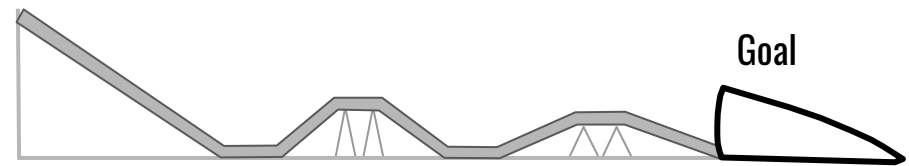
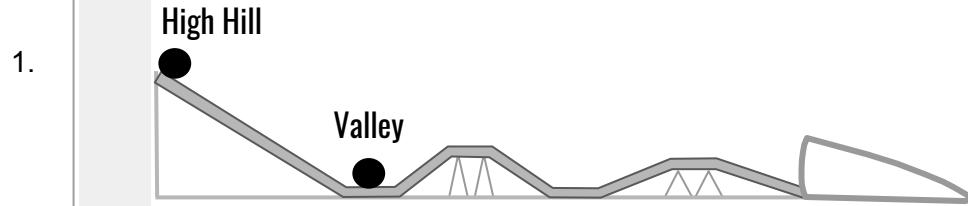
No alligators,
guaranteed!

Name: _____

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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.



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? _____