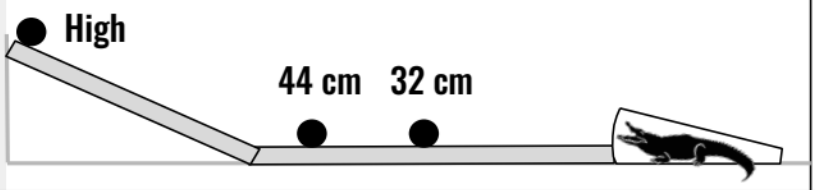
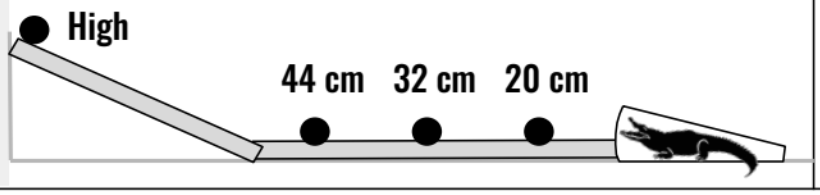
mystery science

What makes roller coasters go so fast?

Name:_____

Collisions Experiments!

Always release the Hill Marble at the "High" mark:	Change the number of Bumper Marbles on the track:	Did the Hill Marble get eaten? (It's ok if the Bumper Marbles got eaten.)			
		Trial 1	Trial 2	Trial 3	Trial 4
		eaten safe	eaten safe	eaten safe	eaten safe
		eaten safe	eaten safe	eaten safe	eaten safe

COLLISIONS RESULTS: Adding more Bumper Marbles **(always / sometimes / never)** kept the Hill Marble from getting eaten. Why do you think this happens? Explain your results in terms of energy:

_____

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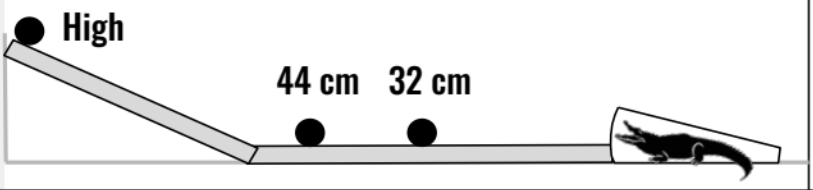
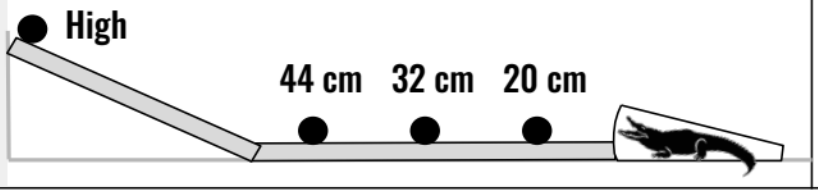
		eaten safe	eaten safe	eaten safe	eaten safe
		eaten safe	eaten safe	eaten safe	eaten safe

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