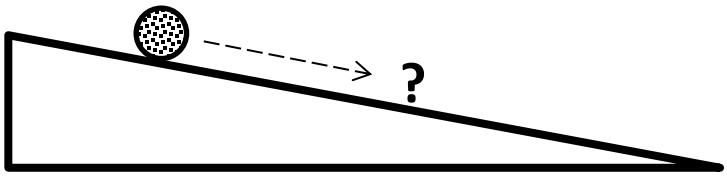
Name: _____ Hour: _____

The Great Race

(5 pts)

Objectives: Complete at least 20 races between any 2 different objects, predicting and marking the winner of each. In the case of a tie, race again. If the race is still a tie, mark it as such. After reviewing your data, look for patterns and rank the objects from fastest to slowest. Determine the factors that affect outcomes. Answer the questions and be prepared to discuss your responses.



Race #	Object #1	Object #2	Predicted Winner	Actual Winner
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
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22				
23				
24				
25				

Fastest to Slowest

Questions:

1) List some differences between the objects you raced that might affect how quickly they roll down the incline. Be thoughtful; try to come up with something unique.

2) What kind of objects were the fastest? **Why** do you think they were the fastest?

3) Did any of your objects tie? What kinds of objects tied? **Why** do you think they tied?

Bonus: How many different pairings are possible among the 17 different objects? Show your work here, circling the correct answer, for 1 bonus point.