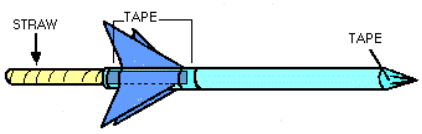
Name: _____ Period: _____Date: _____

Relationships in Science



Key Question:

_____

_____

Hypothesis

(Complete the following sentence) I think that **if** the height dropped increases, **then**

_____

_____

_____

Explain the reasoning behind your hypothesis.

_____

_____

_____

Explore Your Ideas

Data Table: Distance for height of launch drop

Height of drop _____ cm	**Distance (cm)**
Trial 1	
Trial 2	
Trial 3	
Trial 4	
Trial 5	
Average	

Data Table: Class Data

Height Dropped (cm)	Avg. distance (cm)
10 cm	
12 cm	
14 cm	
16 cm	
18 cm	

Height Dropped (cm)	Avg. distance (cm)
20 cm	
22 cm	
24 cm	
26 cm	
28 cm	

Class Graph: Height launcher dropped vs. distance in centimeters

Explain Your Ideas

Explain why a line graph is a better choice than a bar graph.

_____
_____
_____

Explain what would most likely be the distance if the height was set to 30 cm.

_____
_____
_____

Explain why this experiment is more controlled than the first one.

_____
_____
_____

Explain why the height is the INDEPENDENT variable and not the distance.

_____
_____
_____