

Name \_\_\_\_\_

## Gravity

### Cars and Ramps

Ramp Centimeter Height	Number of Centimeters The Car Rolled	Ramp Centimeter Height	Number of Centimeters The Car Rolled
15 cm	cm	45 cm	cm
20 cm	cm	50 cm	cm
25 cm	cm	55 cm	cm
30 cm	cm	60 cm	cm
35 cm	cm	65 cm	cm
40 cm	cm	70 cm	cm

1. What pattern do you see in the right columns as the numbers go down the column?

\_\_\_\_\_

2. What are your conclusions about this experiment?

a) \_\_\_\_\_

\_\_\_\_\_

b) \_\_\_\_\_

\_\_\_\_\_

c) \_\_\_\_\_

\_\_\_\_\_



## Answers to the Questions

1. What pattern do you see in the right columns as the numbers go down the column?

*The car goes farther each time.*

2. What are your conclusions about this experiment?

*a) As the car rolls down the board, gravity is giving the car energy to roll on the floor.*

*b) The steeper the board becomes, gravity gives the car more energy to go farther each time*

*c) As the board gets closer to the direct pull of gravity, straight up and down, the faster and farther the car will go. The position of the board up and down is the fastest and farthest the car will go.*