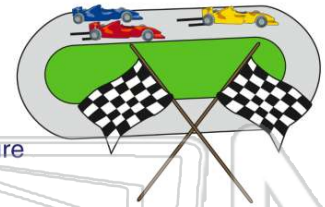
Motion

Sci G

Name _____ Class _____ Date _____

1 In order for **motion** to occur, there has to be a change in _____ **between** two objects.



A angle
B time
C distance
D temperature

2 High **velocity** would describe a jet that is **moving quickly** in a certain direction. The term most closely related to **velocity** is _____.

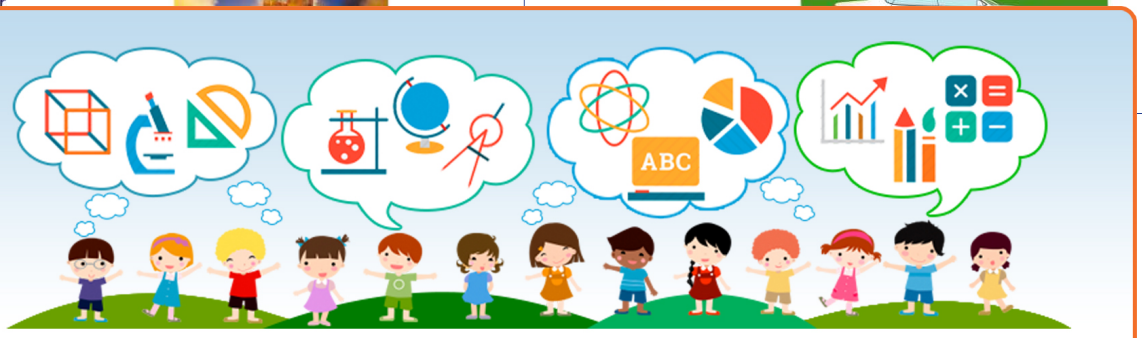
A friction
B height
C altitude
D speed

3 When an object **gains speed**, it is said to be accelerating. The term **accelerate** means to move _____.

A slower
B faster
C
D

4 A car travels 100 miles in two hours at a **speed** of 50 **miles per hour**. Speed is equal to the distance divided by _____.

A mileage
B calories
C time



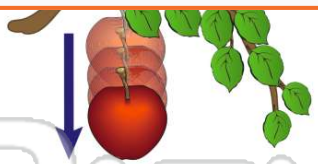
5

7

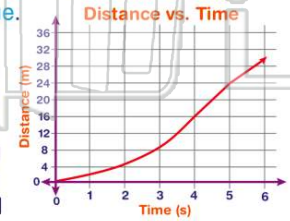
$$\text{acceleration} = \frac{\text{final speed - initial speed}}{\text{time}}$$

A 2 seconds
B 4 seconds
C 8 seconds
D 15 seconds

A true
B false



9 Using the graph below, decide which statement is true.



A the object is accelerating
B the object is decelerating
C the object is standing still
D the object starts and stops

10 Using the graph below, how far did the boat travel in the first 3 seconds?

A 1 m
B 3 m
C 8 m
D 15 m

ANSWER KEY

In order for **motion** to occur, there has to be a change in _____ **between** two objects.

A angle
B time
C distance
D temperature

c

High **velocity** would describe a jet that is **moving quickly** in a certain direction. The term most closely related to **velocity** is _____.

A friction
B height
C altitude
D speed

d

When an object **gains speed**, it is said to be accelerating. The term **accelerate** means to move _____.

A slower
B faster
C higher
D

b

A car travels 100 miles in two hours at a **speed** of 50 **miles per hour**. Speed is equal to the distance divided by _____.

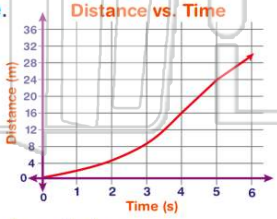
A mileage
B calories
C time
D meters

c

acceleration = ——— / **time**

A 2 seconds
B 4 seconds
C 8 seconds
D 15 seconds

Using the graph below, decide which statement is true.



A the object is accelerating
B the object is decelerating
C the object is standing still
D the object starts and stops

a

Using the graph below, how far did the boat travel in the first 3 **seconds**?

A 1 m
B 3 m
C 8 m
D 15 m

c