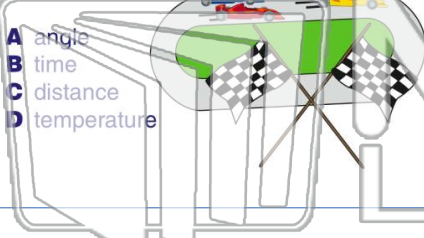Name_____ Class_____ Date_____

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

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 _____.
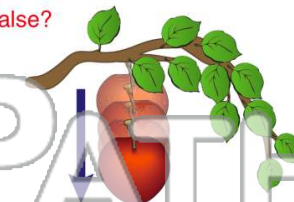
5

7 Using the formula below, determine **how many seconds** it takes for it accelerate from 0 mph to 60 mph.

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

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

True or false?

A true
B false

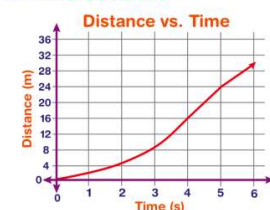**9** Using the graph below, decide which statement is true.

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

Distance vs. Time

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

Distance vs. Time

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

C

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

D

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

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 _____.

C

5

D

PREVIEW

Please Sign In or Sign Up to download the printable version of this worksheet

---

7 Using the formula below, determine **how many seconds** it takes for it accelerate from 0 mph to 60 mph.

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

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

B

True or false?

A true
B false

A

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

Distance vs. Time

A

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

Distance vs. Time

C