

1. Speed is defined as the _____ an object moves in a certain _____ period.

2. Speed that includes direction is called _____.

3. Acceleration includes _____ positive

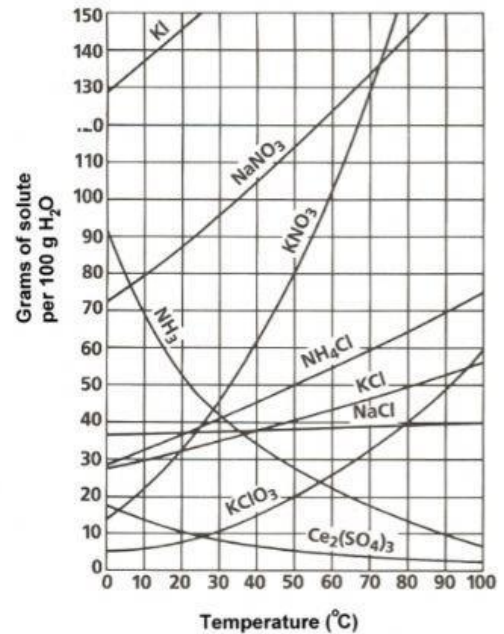
_____ negative and

_____.

4. A plane flies 3000km from Hawaii to Los Angles in 6 hours what is the velocity of the plane? Include the direction. _____
Unit
km km/hr hr km/hr east km/hr west km/hr north

5. Look at the graph to the right. _____ is plotted on the Y-axis, and _____ is plotted in the X-axis.

_____ is the independent variable since it is plotted on the _____ axis.



6. If you made 7 trips to the grocery over the weekend, how many liters of gas would have been used?

| Activity that uses gasoline | Number of Liters used |
|-----------------------------|-----------------------|
| Mowing the yard | 1 |
| Running a generator | 5 |
| Driving to the grocery | 10 |
| Driving to Grandma's house | 150 |
| Driving to West Virginia | 400 |

7. The International System (**SI**) of Units is based on multiples of _____.

8. What is the abbreviation for:

a. _____ millimeter, which is _____ (what fraction) of a meter.

b. _____ centimeter, which is _____ (what fraction) of a meter.

c. _____ meter, there are _____ meters in a kilometer.

9. A chemical reaction that releases energy is called a(n) _____ reaction.

10. What would be the most appropriate metric unit to measure:

a. _____ The length of your house or a swimming pool.

b. _____ The length of a flies leg.

11. Joe rode his bike 80 meters in 20 seconds, what was his average speed? _____ unit
m s m/s

12. Acceleration is the rate at which _____ changes.

13. You travel a total of 800 miles to get to your destination. Your average speed is 40 mph.

How long will the trip take? _____ unit
m m/hr hr

14. Weight is a measure of the force of _____.

15. The amount of matter in a substance is _____.

16. A force is a _____ or a _____

