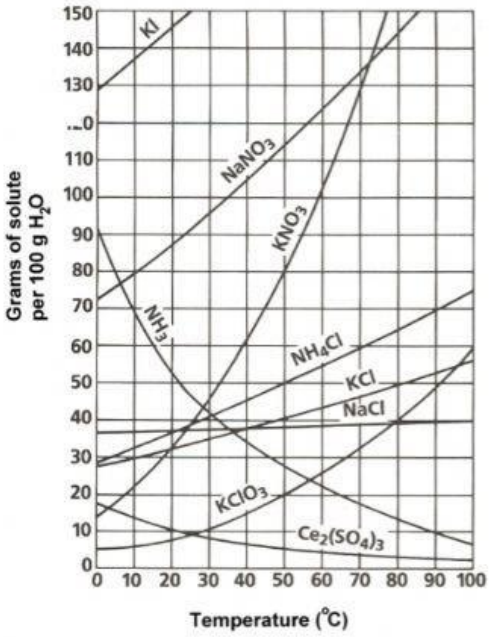
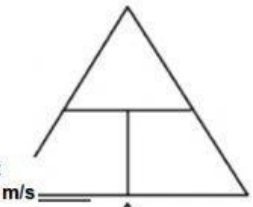
1. Speed is defined as the _____ an object moves in a certain _____ period.
2. Speed that includes direction is called _____.
3. Acceleration includes _____ positive _____ negative and _____ _____.
4. A plane flies 3000km from Hawaii to Los Angles in 6 hours what is the velocity of the plane? Include 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.



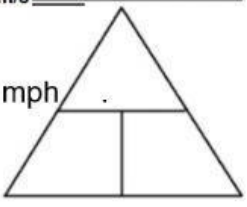
6. If you made 7 trips to the grocery over the weekend, how many liters of gas would have been used? _____

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 is a substance is _____.
16. A force is a _____ or a _____