

1.     solute-  
  
       solvent-  
  
       solution-
2. What are three processes that can occur when substances dissolve?
3. What are some properties of a solution that differ from those of its solvent and solute?
4. What happens to energy when a solution forms?
5. What factors affect the rate of dissolving?
6.     saturated-  
  
       supersaturated-  
  
       unsaturated-
7. What factors determine the solubility of a solute?
8. What are some general properties of acids?
9. What are some general properties of bases?

10. What are the products of a neutralization?
11. Draw and label the pH scale.
12. What happens during nuclear decay?
13. What are three types of nuclear radiation?
14. Where does background radiation come from?
15. What is half-life?
16. Under what conditions does the strong nuclear force overcome the repulsive effect of electric forces in the nucleus?
17. Draw fission.
18. Draw fusion.

19. frame of reference-

distance-

displacement-

20. What is the speed of a person traveling 6 meters in 3 seconds?

21. What shows the speed on a distance-time graph?

22. Acceleration-

23. What number represents the downward acceleration due to gravity?

24. A ball rolls down a ramp, starting from rest. After 2 seconds, its velocity is 6 meters per second. What is the acceleration of the ball?

25. How do forces affect the motion of an object?

26. What are the four main types of friction?

27. How do gravity and air resistance affect a falling object?

28. Why does a projectile follow a curved path?

29. Newton's First Law-

Example-

Newton's Second Law-

Example-

Newton's Third Law-

Example-

30. Weight=

31. Momentum-

32. How are energy and work related?

33. What factors does the kinetic energy of an object depend on?

34. How is gravitational potential energy determined?

35. What are the major forms of energy?
36. How can energy be converted from one form into another?
37. Law of Conservation of Mass-
38. What causes mechanical waves?
39. What are three types of mechanical waves? Give an example of each.
40. What determines the frequency of a wave?
41. Frequency-  
Wavelength-  
amplitude-
42. Reflection-  
Refraction-  
diffraction-

43. List the types of interference.
44. List five properties used to explain the behavior of sound waves.
44. What is the Doppler Effect.
45. Draw and label the electromagnetic Spectrum.
46. Give an example of each type of electromagnetic radiation.
47. List the colors of the rainbow.