

16. Newton's First Law of Motion states an object at rest will _____ at rest and/or an object in motion will _____ in motion unless acted upon by a(n) _____ force. This is also known as the Law of _____.
17. Newton's Second Law of Motion states that force is equal to _____ times _____.
18. Equal and opposite forces acting on the same object are called _____ forces and result in no _____ in an objects motion.
19. The type of friction an object falling through the air experiences is called _____.
20. Which of Newton's Laws says, "For every action there is an equal and opposite reaction"?
21. If a gun shoots a bullet, and the kickback (the backwards push) is 10N, what force was exerted on the bullet? **N**
22. A compound is made of two or more elements _____ combined.
23. A mixture is two or more substances _____ combined.
24. Select Mixture, Element, or Compound: choose: mixture/element/compound
- _____ Air
 - _____ Table Salt (NaCl)
 - _____ Carbon (C)
 - _____ Pure Hydrogen Peroxide (H_2O_2)
25. The Kinetic theory (particle theory) of matter says that all matter is composed of tiny _____ that are in constant _____.

26. Fill out the chart for the phases of matter.
27. Which phase(s) of matter has no definite volume?

Solid, Liquid, Gas

28. Which phase(s) of matter has a definite volume but takes the shape of its container? **Solid, Liquid, Gas**

29. Families on the periodic table are in _____ (columns, rows) and periods are in _____ (columns, rows).

30. All of the elements in a group have the same number of _____.

31. The elements on the left side of the period table are (**metals, nonmetals**) and the elements on the right are (**metals, nonmetals**).

Phase of matter	Definite Shape (Yes/No)	Definite Volume (Yes/No)
Solid		
Liquid		
Gas		

PERIODIC TABLE

1	2											3	4	5	6	7	8	9	10		
H	He											B	C	N	O	F	Ne				
3	4											5	6	7	8	9	10	11	12		
Li	Be											B	C	N	O	F	Ne	Na	Mg		
11	12											13	14	15	16	17	18				
Na	Mg											Al	Si	P	S	Cl	Ar				
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr				
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54				
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe				
55	56	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn				
87	88	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118				
Fr	Ra	Lr	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Uub	113	114	115	116	117	118				
		Lanthanide series																			
		57	58	59	60	61	62	63	64	65	66	67	68	69	70						
		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb						
		Actinide series																			
		89	90	91	92	93	94	95	96	97	98	99	100	101	102						
		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No						