

NO CREDIT IF YOU: Fail to put in the Units & Properly Round, Fail to show ALL math work

(1 pt) PRINT YOUR NAME on the line: _____

Your start time on this test _____

Your finish time on this test: _____

Max Grade: 102 points

Time it took you to do this test: _____

A. Fill in the Blanks (60 pts total, 3 points ea)

1-3. Name three elements (Symbol and Name) that make up most of those in the Earth (> 1.0 %).

_____	_____
_____	_____
_____	_____

4-5 Name two elements (Symbol and Name) that make up most of those in the Human Body (> 1.0 %).

_____	_____
_____	_____

6-7 Name two crucial trace elements (Symbol, Name Use) for the Human Body and state what they are used for?

_____	_____	_____
_____	_____	_____

8. The current day structure of the atom was developed by _____

9. He proposed this structure by shooting a _____ at a target.

10. This particle that he shot has a _____ charge

11-12. The atomic structure he proposed had several particles. These particles are [arrange in size from the smallest to the largest]

<u>Name</u>	<u>Charge</u>
_____	_____
_____	_____
_____	_____

13. Radioactive Carbon is used for dating very old items. This Carbon has 6 protons and 8 neutrons. Normal Carbon has 6 protons and 6 neutrons. These different forms of Carbon are called

_____ and the C 6 proton, 8-neutron nuclide symbol is _____

14. When Sodium loses one electron, it becomes Na^+ . What is the general term used for this type of ion?

15. The greenhouse effect is caused by _____ from the sun hitting the earth.

16. When these rays from the sun hit the earth, they are converted into _____

17. These rays from the earth then are emitted and head towards outer space. They are then absorbed by _____ where the primary cause of Global Warming comes from.

18. During a recent lab, you watched as a high voltage was applied to various gases. When this happened, the actual gas molecule went from a _____ to an _____

19-20. What is the molecular weight of Dihydrogen Oxide?

Fill in the Blanks (40 pts total, 2 points ea)

- | | |
|--------------------------|------------------------------------|
| 1. Barium Chloride | _____ |
| 2. Calcium Sulfate | _____ |
| 3. _____ | H ₂ SO ₄ |
| 4. _____ | H ₂ O |
| 5. Potassium Perchlorate | _____ |
| 6. _____ | NH ₄ ClO ₂ |
| 7. Iron (II) Phosphate | _____ |
| 8. _____ | Cs HCO ₃ |
| 9. _____ | HNO ₃ |
| 10. _____ | Cu (NO ₃) ₂ |
| 11. _____ | CoCl ₂ |
| 12. _____ | Pb (SO ₄) ₂ |
| 13. Magnesium Hydroxide | _____ |
| 14. Silver Nitrate | _____ |
| 15. _____ | PCl ₃ |
| 16. Oxygen Gas | _____ |
| 17. Sodium Sulfate | _____ |
| 18. _____ | NO |
| 19. _____ | HI |
| 20. Lithium Sulfide | _____ |

DID YOU CHECK FOR SIGNIFICANT DIGITS _____ Yes _____ No

DID YOU CHECK FOR PROPER UNITS _____ Yes _____ No

(1 pt) How do you rate this test from 1 to 10 _____

1 = Very East, can do it with my eyes closed, 10= Very Very Difficult, could not do any of the problems

1	1 H 1.008	2A												3A	4A	5A	6A	7A	2 He 4.003
2	3 Li 6.941	4 Be 9.012												5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18
3	11 Na 22.99	12 Mg 24.31											13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95	
4	19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.88	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.38	31 Ga 69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80	
5	37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (98)	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9	54 Xe 131.3	
6	55 Cs 132.9	56 Ba 137.3	57 La* 138.9	72 Hf 178.5	73 Ta 180.9	74 W 183.9	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.6	81 Tl 204.4	82 Pb 207.2	83 Bi 209.0	84 Po (209)	85 At (210)	86 Rn (222)	
7	87 Fr (223)	88 Ra 226	89 Ac** (227)	104 Rf (261)	105 Db (262)	106 Sg (263)	107 Bh (264)	108 Hs (265)	109 Mt (268)	110 Ds (271)	111 Rg (272)	112 Uub	113 Uut	114 Uuq	115 Uup				