

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

Max Grade: 101 points

PRINT NAME ON LINE _____

CHECK CORRECT BOX OR LOOSE 20 PTS

Test End time _____

Wed Afternoon Lab

Test Start time _____

Wed Evening Lab

(1 pt) Test Elapsed time _____

A. Fill in the Blanks (3 * 20 Points each = 60 pts)

- | | |
|-----------------------------|--------------------------------|
| 1. Iron (III) Carbonate | _____ |
| 2. Calcium Chlorate | _____ |
| 3. Potassium Phosphate | _____ |
| 4. Sodium Bicarbonate | _____ |
| 5. _____ | H ₂ SO ₄ |
| 6. Beryllium Hydroxide | _____ |
| 7. Aluminum Chloride | _____ |
| 8. Silver Nitrate | _____ |
| 9. Sodium Sulfide | _____ |
| 10. _____ | Cu SO ₄ |
| 11. _____ | Sn O ₂ |
| 12. _____ | Pb Br ₄ |
| 13. _____ | Na NO ₃ |
| 14. _____ | K ₂ SO ₃ |
| 15. _____ | HCl |
| 16. Iron (III) Permanganate | _____ |
| 17. _____ | HOH |
| 18. _____ | HNO ₃ |
| 19. _____ | H ₂ O |
| 20. _____ | NO ₄ |

B. Answer the following (4 * 10 Points each = 40 pts)

1. Column II in the Periodic Table is also known as:
2. Column VII in the Periodic Table is also known as:
3. Rutherford discovered the present day model of the atom by shooting a _____ at gold foil.
4. Light from a light bulb transmits energy to your hand in the form of _____
5. Beam of light travels through space as a stream of packets known as:
6. In the Greenhouse Effect, the sun transmits _____ to the earth?
7. What elements or compounds in the atmosphere are directly responsible for the Greenhouse effect
8. When an atom or element, such as hydrogen, is sitting in it's normal state, it can absorb energy. What is the names of the two states, the state before it absorbs energy and the state after it absorbs energy?
9. When this hydrogen example absorbs energy, it absorbs only a certain type of energy. This certain type of energy has a certain fixed energy level. The hydrogen electron absorbing this fixed energy level is said to be?
10. Ethyl Alcohol has the molecular formulae of $\text{CH}_3\text{-CH}_2\text{-OH}$ [or $\text{C}_2\text{H}_6\text{O}$]. What is it's molecular weight?
C = 12.01 grams / mole
H = 1.008 grams / mole
O = 16.00 grams / mole

DID YOU CHECK FOR SIGNIFICANT DIGITS

_____ Yes _____ No

DID YOU CHECK FOR PROPER UNITS

_____ Yes _____ No

How do you rate this test from 1 to 10

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

