

**YOUR NAME (Please Print):** \_\_\_\_\_

1. (3pts, 1 pts ea)

Your start time on this test

Your finish time on this test:

Time it took you to do this test:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

**A. Perform the following Conversion (10 pts)**

1. Convert 0 Deg K to Deg F [ Show all math and all equations ]

**B. Multiple Choice and Fill in the Blanks (4 Pts Each)**

1. Chemistry is about \_\_\_\_\_
  - A. Atoms
  - B. Neutrons
  - C. Change
  - D. Chemical Reaction
  - E. None of the above
  
2. What IS NOT a sign of a chemical Reaction \_\_\_\_\_
  - A. Color Change
  - B. Dissolves in water
  - C. Bubbles form
  - D. Heat is produced
  
3. Hydrogen burning in Oxygen to form water is BEST described as: \_\_\_\_\_
  - A. A Chemical Equation
  - B. An Ionic Reaction
  - C. A Chemical Reaction
  - D. An endothermic process
  
4. The items on the left side of a reaction formulae are called \_\_\_\_\_
  - A. Products
  - B. Redox Starting Materials
  - C. Reactants
  - D. Starting Material
  
5. The reaction of a strong acid and a strong base will always generate a: \_\_\_\_\_
  - A. A Precipate
  - B. A Gas
  - C. A Salt
  - D. A Flame
  
6. A Chemical Reaction is represented by: \_\_\_\_\_
  - A. A balanced ionic process
  - B. A chemical equation
  - C. A Net Ionic Reaction
  - D. A listing of the starting and ending materials
  
7. Which will form a water soluble salt : \_\_\_\_\_
  - A. Sulfide
  - B. Carbonate
  - C. Phosphate
  - D. Sulfate
  
8. Atoms are \_\_\_\_\_ in a chemical reaction.
  
9. Because hydrogen atoms of water forms a V-Shape, 105 degree angle, water is said to be \_\_\_\_\_.
  
10. Name two Chlorides which are water insoluble \_\_\_\_\_ and \_\_\_\_\_

**C. Complete the Following: (5 Pts Each - Do 6 out of the 8)**

**For the reaction of Silver Nitrate and Magnesium Chloride:**

**1. Write the Unbalanced Chemical Equation**

**2. Write the Balanced Chemical Equation**

**3. Write the Complete Ionic Equation**

**4. Write the Net Ionic Equation**

**5. Name 4 Driving Forces for a reaction to occur.**

A. \_\_\_\_\_

C. \_\_\_\_\_

B. \_\_\_\_\_

D. \_\_\_\_\_

**6. Write out the Balanced Equation for the reaction of Sodium and Water.**

**7. This type of reaction is called a**

8. Show the electron flow in #6

**D. Reactions ( 10 Points Each – Do 2 of the 3)**

- A. Write the Formulae for the Reactants and Products
- B. Balance the Equation
- C. Will the Reaction go to Completion

**1. Sulfuric Acid and Calcium Hydroxide**

A. (4 pts), B. (4 pts),

C. (2 pts)      Circle Your Answer:      YES                      NO

**2. Ammonium Carbonate and Lead II Nitrate**

A. (4 pts), B. (4 pts),

C. (2 pts)      Circle Your Answer:      YES                      NO

**3. Potassium Phosphate and Cobalt III Chloride**

A. (4 pts), B. (4 pts),

C. (2 pts)      Circle Your Answer:      YES                      NO

**Summary:**

Section	# of Quest	Pts Ea	Total Pts	
A. Conversion	1	10	10 %	_____
B. Multiple Choice	10	4	40 %	_____
C. Complete the Following	5	6	30 %	_____
D. Reactions	2	10	20%	_____
Total			100 %	_____