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## CHEMISTRY 11 UNIT LYTEST REVIEW

YOUR UNIT IV TEST IS SCHEDULED FOR	. The format
of the test will be 30 marks multiple choice and 24 marks short and	swer. In
order to help you prepare for your test you must complete the follow	wing package
and hand it in at start of class on the day of the test.	O , satisfy

There are FIVE Parts to this unit:

- 1. Identifying types of Bonds: covalent, polar covalent and ionic
- 2. Drawing Lewis Dot Structures
- 3. IdentifyingTypes of Chemical Reactions
- 4. Predicting Products
- 5. Exothermic and Endothermic reactions

## Part I. BOND TYPES

- 1. What is a chemical bond?
- 2. Explain the difference between COVALENT, POLAR COVALENT and IONIC bonds.
- 3. What is ELECTRONEGATIVITY?

- 4. Use the table of ELECTRONEGATIVITIES on pg 333 and state the periodic trend.
- 5. Draw out the SCALE showing the ELECTRONEGATIVITY DIFFERENCES among bond types.

- a. CaCl<sub>2</sub>
- b. l<sub>2</sub>
- c. CO<sub>2</sub>
- $d. Rb_2S$
- e.MoF

## Part II LEWIS DOT STRUCTURES

- 1. For the following compounds:
- a. Be sure to calculate the total number of valence electrons
- b. Draw the Lewis Dot Structures
- 1. I w Be In I
- 2.  $[S = N = S]^{1-}$
- CI CI
- 4. [OMN]+1

- 6. [P w O]1+
- Part III Types of Chemical Reactions

  1. List the SIX TYPES of chemical reactions and give a example for each

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