Chapter 18 Bonding

P C U C H N T V V B S H M E R W T E R C M R H H V K I T W P W X V U L A V E O Y R N L E B X N A H U E I A A K I X V E S YCYMMSOOGRHOBPTJACVE ZINIHIRFNXNWCASLZHIS IOKCPZCEPPGSGGEFHATO IDNAWDKAFIOETNTBDRIL K B P L N S Z N L S N L T Y D Q U G S M D N O B C I N O I F N B A I T P Y E O U K Z B O W Z D I E H O A V R N X E Z P S B V C N M D C B M N K R R P Z T S L H Z FJWDCXDADKEFMTJYAASF K P Z L M O L E C U L E V U K V R N I E RALOPASOIITZRJLEKTHD SLOJAMRPSKGDUSEAGZRU

- 1. An ion's _____ is written as a superscript and can be positive or negative. For example: Mg⁺²
- 2. A is a connection between two elements.
- 3. In a the number of atoms types of elements can be identified. For example, H₂O, has 2 hydrogen and 1 oxygen atom.
- 4. In a ______ electrons are shared between the elements.
- 5. Atoms can _____ ____, ____, or electrons to become more stable.

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- 6. Any atom that has gained or lost electrons will form an
- 7. Formed between metal and nonmetal atoms, an is formed by the attraction of opposite charges.

- 8. The smallest piece of a covalent compound is called a
- 9. When chlorine gains an electron from sodium it now becomes an ion with a _____ charge.
- 10. When sodium loses an electron to chlorine it becomes an ion with a _____ charge.
- 11. Covalent bonds can be _____ where electrons are shared equally between the two elements, or ______ where electrons are shared unequally between the atoms.
- 12. In the ionic bond between Magnesium and chlorine, magnesium ______ two electrons, one to each chlorine atom in the formula.