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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Unit 3 Crossword Puzzle

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|  | 14 |  |  |  |  |  |  |  |  |  |  | 15 |  |  |  |  |  |  |  |
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| **Across**  **1.** Chemical bond by sharing of valence electrons  **4.** Symbol for Iron  **6.** Chart that shows the elements  **8.** Atoms of the same element that have different amounts of neutrons  **9.** Horizontal rows on the Periodic Table are called  **11.** Chemical Reaction that releases energy  **12.** Chemical reaction that absorbs energy  **14.** Average mass of an element's isotopes  **16.** Substance that speeds up a chemical reaction  **17.** Center part of an atom that holds protons and neutrons  **18.** When 2 or more elements combine  **19.** Number or protons in an atom | **Down**  **2.** Negative charge of an atom  **3.** Substance that cannot be broken down into smaller parts  **5.** Vertical columns on the Periodic Table are called  **7.** Area in an atom where an electron is found  **10.** Neutral Charge of an atom  **13.** Positive charge of an atom  **15.** Atom that is no longer neutral because of gained/lost electrons |