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| CHEMISTRY | CODE: SCS21 |
| 2014-2015 SCHOOL YEAR | INSTRUCTOR: Ms. Bui |
| CLASSROOM: 510 | LAB ROOM: 506 |

**ATOMIC CONCEPT**

**Introduction to Period Table**

**Puzzles**

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| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Subject: Chemistry |

*Instructions: Solve the puzzles below. You are given 10 minutes. Use the periodic table inside the Reference tables to assist you. You will be graded on the rubric below. You may work with your partner. Stop when you see the stop sign below.*

***Solve the puzzles given the atomic numbers***

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *5 8 16 16*

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *44 53 7*

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *20 16 81 99*

***Solve the puzzles given the number of protons***

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *3 4 88 52*

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *1 3 8 10*

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *16 7 8 5*

***Solve the puzzles given the number of electrons***

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *6 8 15 16*

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *85 8 7 99*

*\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_*

 *83 52 16*

***Debrief:***

1. So, what is the atomic number?
2. How did you know where to find it?
3. How did you know what is the number of protons?
4. How did you know what is the number of electrons?