Atomic Structure Study Guide Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_hr\_\_

**1. Obj: I can name, list the charge/location/mass of each subatomic particle.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Correct | Incorrect | Simple mistake | Don’t understand |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |

|  |  |
| --- | --- |
| ***total*** | ***/7*** |

**3. Obj: I can calculate subatomic particles from a Chemical symbol or write a Chemical symbol from subatomic particles.**

**4. Obj: I can define an ion and determine its charge by the subatomic particles.**

**5. Obj: I can define an isotope and determine its atomic mass by the subatomic particles.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Correct | Incorrect | Simple mistake | Don’t understand |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| Table line 1 |  |  |  |  |
| Table  Line 2 |  |  |  |  |
| Table Line 3 |  |  |  |  |

|  |  |
| --- | --- |
| ***total*** | ***/8*** |

**6. Obj: I am able to determine the number of valence electrons an atom contains using the periodic table or electron configuration.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Correct | Incorrect | Simple mistake | Don’t understand |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |

|  |  |
| --- | --- |
| ***total*** | ***/14*** |

**2. Obj: I can draw a Bohr & e-dot model of an element.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Correct | Incorrect | Simple mistake | Don’t understand |
| 1a |  |  |  |  |
| 1b |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |

|  |  |
| --- | --- |
| ***total*** | ***/13*** |

**Test Total \_\_\_\_\_\_/ 42** Circle the section(s) that you need to study.

Reflect on you understanding: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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