

## Alien Periodic Table

Name: \_\_\_\_\_

Use what you know about the elements of the Periodic Table to place alien elements. The alien elements has the same characteristics and properties of the real elements. Clues about the alien elements appear in the box below.

|   |   |   |  |    |    |    |    |    |
|---|---|---|--|----|----|----|----|----|
|   | 1 |   |  |    |    |    | 18 |    |
| 1 |   | 2 |  | 13 | 14 | 15 | 16 | 17 |
| 2 |   |   |  |    |    |    |    |    |
| 3 |   |   |  |    |    |    |    |    |
| 4 |   |   |  |    |    |    |    |    |
| 5 |   |   |  |    |    |    |    |    |

| Chemical Symbol | Element Name | Characteristics  |
|-----------------|--------------|--|
| Bo              | Bombal       | noble gas; lowest atomic mass of noble gases                         |
| Wo              | Wobble       | noble gas; highest atomic mass of noble gases                        |
| J               | Jeptum       | noble gas  |
| L               | Logon        | noble gas; lighter than Jeptum                                       |
| X               | Xtalt        | Group 1  |
| By              | Byyou        | Group 1; atomic mass of 22   |
| Ch              | Chow         | lowest atomic mass in Period 2                                       |
| Q               | Quackzil     | Group 1; in same Period as Wobble                                    |
| A               | Apstrom      | nonmetal; gains or shares 1 electron; atomic number is 9             |
| V               | Vulcania     | nonmetal; gains or shares 1 electron; in the same period as Q and Wo |
| Kt              | Kratt        | nonmetal; gains or shares 1 electron; in Period 3                    |
| E               | Ernst        | metalloid; lowest atomic mass of metalloids                          |
| Hi              | Higho        | metalloid; in Group 14   |
| T               | Terriblum    | metalloid; in Group 14; has more protons than Hi                     |
| Ss              | Sississ      | metalloid; highest atomic mass of metalloids; in Group 15            |
| Yz              | Yazzer       | touches the zigzag but it is a metal, not a metalloid                |
| Pf              | Pfsst        | lightest element of all  |
| EI              | Eldorado     | heaviest element of all  |
| D               | Doggone      | has 4 protons  |
| F x             | Floxxit      | atomic number 6  |
| R               | Rhaatrap     | metal in Period 4  |
| Do              | Dodeer       | metal in Period 4; has 2 valence electrons                           |
| M               | Magnificon   | in Group 15  |
| G               | Goldy        | in Group 15; has the fewest number of electrons in Group 15          |
| Up              | Urp          | gains 2 electrons when it reacts                                     |
| Oz              | Oz           | gains 2 electrons when it reacts; has a lower atomic number than Up  |
| Nu              | Nuutye       | gains 2 electrons when it reacts; has 8 protons                      |
| An              | Anatom       | has a total of 49 electrons  |
| Z               | Zapper       | loses 2 electrons when it reacts; atomic mass of 24                  |
| Pi              | Pie          | loses 2 electrons when it reacts                                     |