|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Atomic #** | **Element** | **Symbol** | **# Protons** | **# Electrons** | **Atomic Mass** | **# Neutrons** |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |
| **11** |  |  |  |  |  |  |
| **12** |  |  |  |  |  |  |
| **13** |  |  |  |  |  |  |
| **14** |  |  |  |  |  |  |
| **15** |  |  |  |  |  |  |
| **16** |  |  |  |  |  |  |
| **17** |  |  |  |  |  |  |
| **18** |  |  |  |  |  |  |
| **19** |  |  |  |  |  |  |
| **20** |  |  |  |  |  |  |
| **31** |  |  |  |  |  |  |
| **32** |  |  |  |  |  |  |
| **33** |  |  |  |  |  |  |
| **34** |  |  |  |  |  |  |
| **35** |  |  |  |  |  |  |
| **36** |  |  |  |  |  |  |

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_\_\_\_\_\_\_

Part A: Directions- Complete the chart below for the given elements. Use the periodic table on the back cover of your textbook.

Part B: Directions- Analyze the information below to decide if it is correct or incorrect. If any information is not correct, FIX IT! Note: The atomic masses have been rounded off.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Atomic #** | **Element** | **Symbol** | **# Protons** | **# Electrons** | **Atomic Mass** | **# Neutrons** |
| **37** | **Rubidium** | **Ru** | **37** | **37** | **85.47** | **48** |
| **38** | **Strontium** | **Sr** | **38** | **39** | **87.62** | **50** |
| **49** | **Indium** | **In** | **49** | **49** | **114.82** | **64** |
| **50** | **Tin** | **Tn** | **51** | **50** | **118.71** | **69** |
| **51** | **Antimony** | **SB** | **51** | **51** | **121.76** | **71** |
| **52** | **Tellurium** | **Te** | **52** | **52** | **127.6** | **72** |
| **53** | **Iodine** | **I** | **53** | **53** | **133.9** | **73** |
| **54** | **Xenon** | **Xe** | **55** | **55** | **131.29** | **77** |

Part C: Directions: Use the periodic table to complete this “scavenger hunt”. Remember- a column is called a group and a row is called a period!

1. Name 3 elements that were named after countries.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name 3 elements that were named after scientists.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which letter does not appear in ANY of the element symbols? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name 5 elements whose symbols don’t match the letters in their names.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which element is in group 8, period 5? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which element is in group 5, period 7? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Spell 3 words using periodic elements. Example: BaBY is Barium, Boron, and Yttrium. \*1 point bonus for any additional words. All words must be school appropriate! Write the letters as they appear in the symbols.