4th Grade Science Term Project

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

Research 3 elements of your choice and fill in the chart below

|  |  |  |  |
| --- | --- | --- | --- |
| Element Name & Symbol |  |  |  |
| Atomic Structure (drawing)  \*Include correct number of shells, protons, neutrons and electrons.\*  (towards IM1) |  |  |  |
| What kind of bonds does your element prefer and why? (Ionic or covalent)  \*Think about number of shells, electrons and charges.\* |  |  |  |
| Find a common element that your element bonds with. Draw your element and the new element and explain how they bond.  \*Think about number of electrons on each element’s outer shell.\*  (towards IM2) |  |  |  |
| Name a compound, mixture and/or solution that your element makes. Describe similarities and/or differences  among each other CT1 |  |  |  |
| Physical / Chemical properties of the element according to its place in the periodic table.  CT2 |  |  |  |
| In point form, list 3 other interesting facts about this element. |  |  |  |
| Where in the universe will you find this element? |  |  |  |
| What do people in Colombia or other countries use this element for?  C1 |  |  |  |
| What do you consider will be the role of chemistry in the future in terms of…  (remember to include your elements)  C2 | Global water supply | World Nutrition | Global Health |
|  |  |  |  |