Student Sheet Name:

Period:

I. Shade in the following elements on your periodic table with a different color for each group

|  |  |  |
| --- | --- | --- |
| **Light elements produced in Big Bang** | **Heavier elements formed by nuclear fusion.** | **Heaviest elements form in supernova** |
| Hydrogen (H) | Iron (Fe) | Tin (Sn) |
| Helium (He) | Nitrogen (N) | Nickel (Ni) |
| Lithium (Li) | Silicon (Si) | Lead (Pb) |
|  | Magnesium (Mg) | Zinc (Zn) |
|  | Sulfur (S) |  |

II. For each of the following elements identify whether it most likely originated from the big bang, nuclear fusion in stars, or through supernovas

|  |  |
| --- | --- |
| 1. Gold (Au): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4. Carbon (C): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 2. Sodium (Na): \_\_\_\_\_\_\_\_\_\_\_\_\_ | 5. Helium (He): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3. Hydrogen (H): \_\_\_\_\_\_\_\_\_\_\_\_ | 6. Uranium (U): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

III. Draw a diagram to represent each of the following atoms:

1. Oxygen (O) 2. Magnesium (Mg)

IV. Name the element shown by the following drawings:

1. 2.