**The following information relates to elements found on the planet MuAran.**

**Use the information about each element to place it correctly in the MUARAN PERIODIC TABLE - which looks a lot like our periodic table, only with weird sounding Muaran elements in it.**

**Table 1: Information about MuAran Elements**

|  |  |
| --- | --- |
| **Clue number** | **Clue** |
| **1** | Hitass, Elek , Zerpt and Vomin all have **full outermost energy shells**  Hitass has only **2** electrons in its outermost energy shell.  Elek has its outermost electrons in the **second energy level.** |
| **2** | These elements are very reactive and have **seven electrons** in their outermost energy shell.  Peruj is in the same **period** as Vomin.  Stelr is the **most reactive** element of the group.  Dlton has a **higher atomic number** than Stelr. |
| **3** | The element Vapus has **four protons.** |
| **4** | Brrpt, Frizzat and Jnok have **similar properties** to Xplson.  They all form **+1 ion** with Group VII elements.  Frizzat is **heavier** than Brppt but **lighter than** Jnok and Xplson |
| **5** | The **consecutive** elements Coochki and Reon both have **4 energy shells**.  Cookchi tends to **lose 2 electrons** to obtain a full energy shell.  Reon is **less** metallic than Cookchi. |
| **6** | The **metalloids** are Bunon, Wudone, Bama, and Roq.  Bunon has the **lightest** atomic mass.  Wudone and Bama are in **Group IV**.  Bama has **more** protons than Wudone. |
| **7** | Razzl, Mytine and Roq are all members of **Group V**.  Razzl has **2 energy shells** and **fewer** electrons than Mytine. |
| **8** | The seas on MuAra are formed of a liquid which consists of the elements **Phat and Arye** in the ratio **1:2**.  When this liquid is evaporated off, **a white solid** remains which is composed of **Fizzat and Dlton** in the ratio **1:1**. |
| **9** | Phat, Nuton and Rubt all gain **two electrons** to fill their outermost energy shells.  Nuton has a **lower** atomic number than Rubt. |
| **10** | Dippety and Zigbut both have **five energy shells**.  Dippety is **more** metallic than Zigbut. |

**MUARAN Periodic table**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **I** | **II** | **III** | **IV** | **V** | **VI** | **VII** | **VIII** |
| **1** | **ARYE** |  | | | | | |  |
| **2** |  |  | **\*** | **DOO** |  |  |  |  |
| **3** |  |  | **\***  **BALLAMA** | **\*** |  |  |  |  |
| **4** |  |  |  | **\*** | **\***  **ROQ** |  |  | **VOMIN** |
| **5** | **XPLSON** |  |  |  |  |  |  |  |