***Vocab Chapters 17 and 19***

1.

|  |  |  |  |
| --- | --- | --- | --- |
| Particle | Charge | Mass | Location |
| Proton |  |  |  |
| Neutron |  |  |  |
| Electron |  |  |  |

***Determine the similarities and differences of the following terms***

2. Proton/ Neutron / Quark

3. atomic number / mass number

4. Bohr Model / Electron Cloud Model

5. nucleus / electron cloud

6. Octet rule (define)

7. Isotope / Ion

8. metal / metalloid / nonmetal

9. ductile / malleable

***Journal***

10. Researching Mendeleev, how did he know how to organize the elements? What properties did he examine in the elements? How did he know how to leave gaps?

11. How many elements are currently on the most recent version of the periodic table? Why do they keep making new elements? Research one of the newest elements and what they are currently using it for.

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