

WHAT'S IT ... MATTER?

Name: _____

Worksheet #5

1. Elements have the same number of protons as they do _____.
2. The number of protons an atom has is called the _____.
3. If an atom has twelve electrons it will have _____ protons.
4. The atomic number of potassium is 19. This means it has _____ protons in its nucleus.
5. The atomic number of iron is 26. This means it has _____ protons and _____ electrons.
6. A proton has a _____ charge. It is represented on drawings by a _____ sign.
7. An electron has a _____ charge. It is represented on drawings by a _____ sign.
8. The push or pull that protons and electrons have on each other is called an _____ force.
9. What keeps electrons from flying out of their orbits? _____
10. Most atoms have no charge or are _____.
11. An atom with a positive or negative charge is an _____.
12. What unstable element changes to another element? _____
13. What element does this element change to? _____
14. What happens to the nucleus of a radioactive element? _____
15. When an atom changes into the atom of another element it is said to _____.
16. What is it called when radioactive elements decay or break down? _____
17. Who was the famous French scientist who worked with radioactive elements? _____
18. What two radioactive elements did she discover?
_____ and _____

••Take Test #1.