

Periodic Table Puzzle - Answer Key

Down:

1. IRON - I have 26 protons.
3. HYDROGEN - I am not really an alkali metal, but since I have only 1 electron I behave like them.
4. NICKEL - I am a metal with 28 electrons.
7. ALUMINUM - I am a member of the boron family and am the most abundant metal in the Earth's crust.
8. OXYGEN - I am a gas with 8 protons and 8 neutrons.
10. LEAD - I am a member of the carbon family often mistaken for the end of your pencil.
12. MERCURY - I am a metal that is liquid at room temperature.
14. SILVER - My atomic number is 47 and I am used to make photographic film.
15. CALCIUM - I have 20 neutrons and am found in your teeth and bones.
16. PHOSPHORUS - I am a member of the nitrogen family with 16 neutrons.
18. FLUORINE - I am a gas with a mass number of 19.
19. POTASSIUM - I am the first element in the fourth period used in making fertilizer.
22. TIN - You can find me in the carbon family in the fifth period.

Across:

2. CHLORINE - My atomic mass is 35.453.
5. SULFUR - I have 2 electrons in the first shell, 8 in the second shell, and 6 in the third shell.
6. CARBON - I am the head of the carbon family known as the "basis of life".
9. GOLD - My atomic number is 79.
11. MANGANESE - I am a transition metal with 25 electrons.
13. NITROGEN - I make up 78% of the air and am found in the 15th group.
14. SODIUM - I am a silvery white metal used to make salt.
17. MAGNESIUM - I am a member of the alkaline earth metals used to make fireworks and medicines.
20. HELIUM - I am a noble gas with 2 electrons.
21. SILICON - I am the 2nd most abundant element in the Earth's crust and have 14 neutrons.
23. IODINE - I am a member of the halide family with an atomic number of 53.
24. ZINC - I am a transition metal with 30 electrons useful in making paint.
25. BROMINE - I am the only element in the halide family that is a liquid.