

ELEMENTS

The wonderful building blocks of creation

Jesus created everything using elements. Here are a few examples.

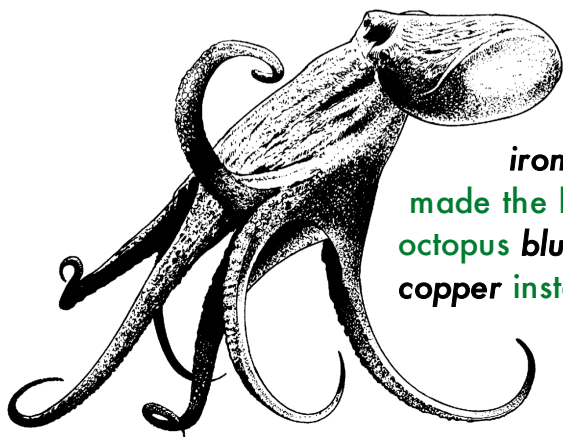
The Earth's atmosphere is made of **oxygen** and **nitrogen**.



The crust of the Earth is mostly **oxygen**, **silicon** and **aluminum**.



The center of the Earth is a huge ball of **iron** with an even smaller ball of **uranium** inside it.



A person's blood is **red** because it contains **iron**. But God made the blood of an octopus **blue**. It contains **copper** instead of iron—it is a true blue-blood!

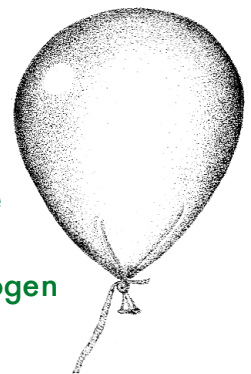


Magnesium is essential to all life. The green color of plants is caused by **chlorophyll** which has a magnesium atom at the heart of its molecule.

COMPASSION CORNER

- Most people in poorer countries don't get enough **zinc** in their food. This causes them to be smaller, live shorter lives, and be more prone to infection.
- Many countries add **chlorine** to drinking water to kill germs. Some countries can't afford to do this, and suffer outbreaks of cholera and typhoid.
- Around 500 million people worldwide suffer from anemia because **iron** is lacking in their diet.

This balloon is filled with **helium**, which is the second most common element in the universe. Helium rises in air because it's lighter than nitrogen and oxygen.

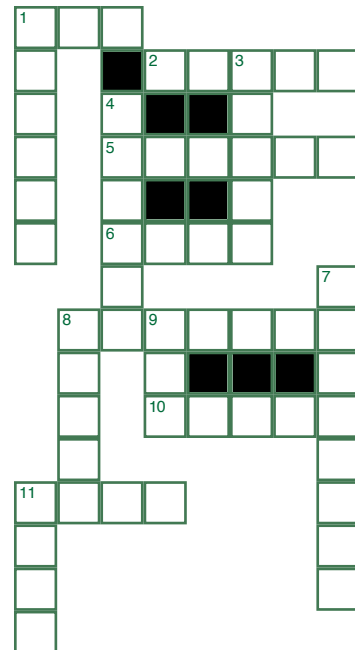


Down

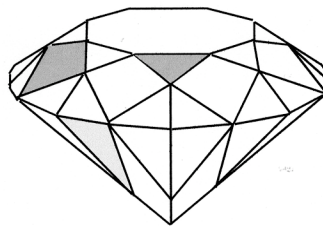
1. Table salt contains the metal _____ (Na) and the non-metal element chlorine (Cl).
3. Light bulbs are usually filled with _____ (Ar) gas.
4. The element _____ (I) is usually added to table salt as potassium iodide (KI).
7. _____ (H) is the most common element in the universe.
8. We can tell one metal element from another _____ element by putting each into a flame.
9. Cooked vegetables have only half the magnesium of _____ vegetables.
11. The Lord Jesus uses calcium (Ca) as _____ to hold together the 70 trillion cells of our body.

CROSSWORD

The words used in the CROSSWORD are taken from the articles found in CREATOR Volume 12 Number 2.



carbon (diamond)



Across

1. Our Heavenly Father has placed a large amount of sodium in the _____'s atmosphere causing it to shine with a golden glow.
2. Noble Gases are elements that do not normally _____ with other elements.
5. Fire burns more brightly in pure _____.
6. _____ (Fe) is eight times heavier than water!
8. Only two elements are liquids at room temperature: _____ (Hg) and bromine (Br).
10. In one of Professor Seismo's experiments, he used electricity to break apart _____ to form hydrogen and oxygen gas.
11. If electricity is passed through a tube filled with a Noble Gas it will _____.

COMPOSITION !

Match the object with the element it is made from.

soda can	carbon
diamond	copper
wedding band	aluminum
steel bridge	iron
electrical wire	gold

Answers to CROSSWORD found in *kids' kreation #51*

Down: 1. IRON 2. CARBON 5. METALS
6. COMPOUNDS 7. HYDROGEN
12. TABLE 13. TWO

Across: 3. ATOMS 4. COPPER 8. ORDER
9. OXYGEN 10. PERIODS
11. TUNGSTEN 14. ELEMENT

FIND THE ATOMIC NUMBER

Use the Periodic Table to find the atomic number of each element.

magnesium (Mg) 12

rubidium (Rb) _____

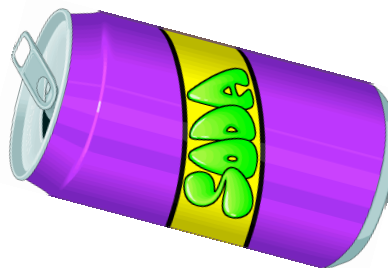
tin (Sn) _____

bismuth (Bi) _____

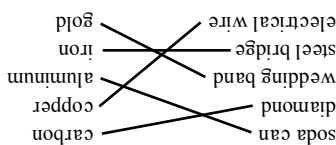
sulfur (S) _____

iodine (I) _____

krypton (Kr) _____



aluminum



WHAT'S IT MADE OF?

FIND THE ATOMIC NUMBER

magnesium (Mg) 12
rubidium (Rb) 37
tin (Sn) 50
bismuth (Bi) 83
sulfur (S) 16
iodine (I) 53
krypton (Kr) 36