

CONDUCTORS AND INSULATORS

Conductors are made of materials that electricity can flow through easily.

These materials are made up of atoms whose electrons can move away freely.



Insulators are materials opposite of conductors. The atoms are not easily freed and are stable, preventing or blocking the flow of electricity.

WORDSEARCH

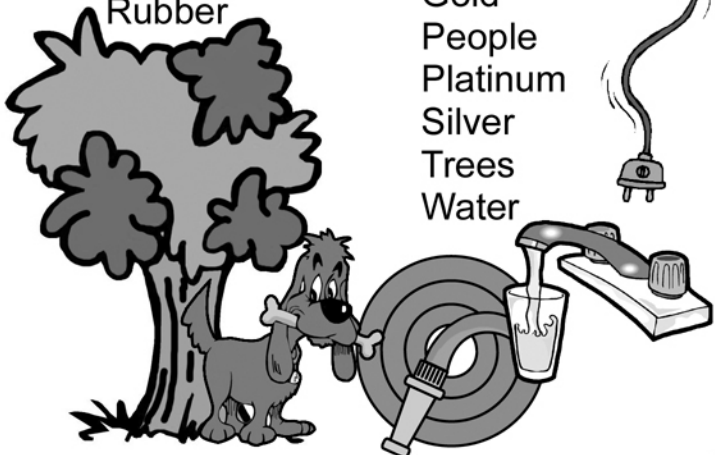
Z G L A S S F M A
 P G T H R I S U L
 L O V Q U L L N U
 A L R H B V A I M
 S D P C B E M T I
 T K E J E R I A N
 I Z O D R L N L U
 C O P P E R A P M
 B U L M W A T I R
 T R E E S G P V N
 Q K Y R E T A W X

Insulators

Glass
 Plastic
 Porcelain
 Rubber

Conductors

Aluminum
 Animals
 Copper
 Gold
 People
 Platinum
 Silver
 Trees
 Water



play it SAFE



Electricity will always take the shortest and easiest path to the ground. If a power line has fallen on a tree and you touch the tree you become the path or "conductor" to the ground and you could get electrocuted. When you see birds sitting on a power line, they don't get shocked because they are not touching the ground at the same time.

So it's very important to NOT play near power lines or power stations. Don't climb trees or fly kites near power lines. Always stay away from power lines that have fallen.

Did you know your body is 70% water? That makes you a good conductor of electricity. Make sure you are dry when you touch anything electric like a hairdryer, a lightswitch or a toaster. Never stay in a swimming pool or stay outside during a lightning storm.

NEVER use water on an electrical fire! Call the fire department and tell an adult immediately if you see a fire or smell smoke.

Find the shortest path to the ground.



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