

## Common electrical

conductors (Loosely held atoms)

Most metals Copper Aluminum Iron and steel Silver Gold The Earth Water Your body 10.

## Common electrical

insulators (Tightly held atoms)

Rubber Plastics Glass Wood & paper Cotton Ceramics

## SCIENCE WORDS TO DISCUSS

 Atom • Electron • Nucleus • Nuclei • Magnet • Chemical • Electric cell
Battery • Generator • Alternator • Dynamo • Tightly held • Loosely held • Conductor • Insulator • Current •

## PRE & POST LESSON QUESTIONS

What are atoms? Can you name some of their parts? What types of atoms allow electrons to jump from one atom to another? What types of atoms prevent atoms from jumping from one to another? What types of atoms are found in electrical conductors? What types of atoms are found in electrical insulators? Can you name some materials that are electrical conductors?