Electric current flows through some materials better than others. If electrons move _____ through a material, the material is called a '_____'. A conductor's atoms contain many electrons that are free to move through it. Metals are good conductors because they contain a large number of these free electrons. Most _____ wires are made of metal, usually copper. Some liquids and gases are also good conductors.	EASY CONDUCT ELECTRIC
Other types of material, known as '_____', hold electrons strongly attached to their atoms. The amount of energy _____ to move them usually burns the material. If extra electric charge is _____ to an insulator, the charge will stay in place and will not move through the material. Glass, rubber, plastic and wood are good insulators. Insulators are important for electrical _____. Electrical cables are made from a _____ material _____ with an insulating material, such as rubber or plastic. The insulator ensures that the cables are safe to touch, when they are _____ to a power supply.	INSULATE REQUIRE APPLY SAFE CONDUCT COVER CONNECT

Adapted activity.
Source: 'Conductors and insulators', Career Paths in Technology p. 12, S. Bolognini, B. C. Barber, K. O'Malley, Pearson, 2022.

LIVEWORKSHEETS