

Name: _____

Bill Nye: Electricity - Note Skeleton

During the video.

1. Electricity is the flow of tiny particles called e_____.
2. The word "c_____" is an old word that means "go around". Electricity will flow in a closed c_____.
3. Electrons flowing through a wire are a lot like w_____ flowing through a hose.
4. There is enough electricity coming out of a plug to stop your h_____.
5. R_____ let some of the electrons go through.
6. V_____ is like water pressure. A_____ are like the speed of the flowing water. The units for voltage is v_____. The unit for current is a_____.
7. Watts are the combination of a_____ and v_____. Watts are the unit for electrical p_____. You can calculate power: $\text{power} = \text{current} \times \text{voltage}$
8. Electrons are pushed by c_____ reactions (like in batteries) or by g_____s (by magnetism).
9. Chemicals are used to make power in a b_____. When the chemicals in a b_____ are used up, it stops producing power.
10. W_____ falling through a dam runs generators to produce power. This is also called hydroelectric power.
11. Alternating c_____ (AC) goes back and forth. This type of current is produced by a coil of w_____ and a m_____. This is called a motor.
12. Direct c_____ (DC) goes in one direction. This type of current is produced by a b_____.
13. A photovoltaic cell is another name for a s_____ panel. These convert sunlight (radiant energy) to electrical power.