

Physical Science Study Guide

Define the following terms:

1. **magnetism**-the force of attraction between magnets and magnetic objects
2. **static electricity**-electricity that is made by rubbing objects against another and changing electrons
3. **parallel circuit**-an electrical circuit in which the output devices are connected in a side by side, each one to a separate energy source
4. **conductor**- a material that conducts electricity easily
5. **insulator**- a material that doesn't carry electrons
6. **series circuit**- an electrical circuit in which the output devices are connected in a chain to a battery or other energy source
7. **electric current**- any path upon which electrons flow
8. **electromagnet**- a temporary magnet made by passing electric current through a wire coiled around an iron bar
9. **What must be present in order for an electromagnet to work?**
Electricity; there must be a flow of electrons.
10. **What happens when the south end of a magnet and the north end of another magnet are moved towards each other?** They attract each other.
11. **What are the three parts of an electric circuit?** A power source (battery), a conductor (wire), and an output device
12. **What are the two types of electric charges?** Positive and negative

Physical Science Electricity Study Guide Answers

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