

Electricity & Magnetism 2: Choose the one best answer for each question.

1. In a series circuit, what happens if one bulb burns out?
 A) The other bulbs stay lit B) All bulbs go out
 C) The battery stops working D) The wires melt
2. Which best describes a parallel circuit?
 A) Electricity flows through one path only B) There is no battery
 C) Electricity has more than one path to travel D) All parts must be touching
3. Why are many homes wired using parallel circuits?
 A) So all lights turn off at once B) So one device turning off doesn't stop others
 C) Because parallel circuits use no electricity D) Because they require fewer wires
4. What happens when opposite magnetic poles are brought near each other?
 A) They repel B) They attract
 C) They disappear D) They lose magnetism
5. What happens when like magnetic poles are brought near each other?
 A) They attract B) They combine
 C) They repel D) They heat up
6. Which object would most likely be attracted to a magnet?
 A) Plastic spoon B) Wooden ruler
 C) Iron nail D) Rubber band
7. Which material would be best used to make the core of an electromagnet?
 A) Iron B) Plastic
 C) Glass D) Rubber
8. If a circuit has two separate paths for electricity, it is a:
 A) Series circuit B) Open circuit
 C) Parallel circuit D) Broken circuit
9. What is created when electric current flows through a wire wrapped around iron?
 A) A permanent magnet B) An electromagnet
 C) An insulator D) A resistor

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