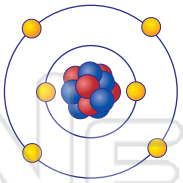
Electricity & Magnetism

Sci D

Name _____ Class _____ Date _____

1 **Atoms** are made of three different particles. Some have a positive charge, some have a negative charge, and some have no charge at all. Name these particles.



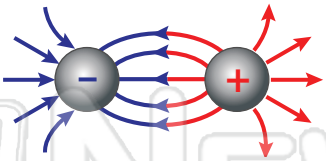
2 Moving charges generate electrical energy, which can change into sound, light, and heat energy. Circle an example of this change.

3 Ir
fl

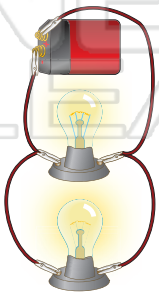
a
b
c

4 If
w
h

a. stick to each other
b. repel each other
c. attract each other



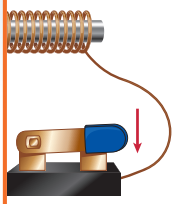
5 In a parallel circuit, if one bulb goes out, what happens to the other bulb?



6 A _____ is a safety device that has a metal wire which melts and stops the electrical current from flowing through a circuit when the current becomes too strong.

7 Magnetism is the property of attracting or repelling certain kinds of materials. What is the area around a magnet called?

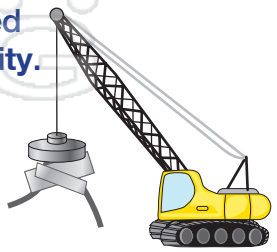
d the iron
at is one
stronger?



u about

a. like poles repel each other
b. like poles attract each other

10 The magnet hanging from the crane in the picture can be turned "on" or "off" by electricity. What type of magnet is it?



PREVIEW

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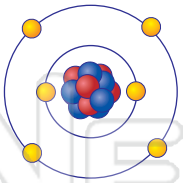
Electricity & Magnetism - Answer Key

Sci D

Name _____ Class _____ Date _____

1 **Atoms** are made of **three different particles**. Some have a **positive** charge, some have a **negative** charge, and some have **no charge** at all. Name these particles.

proton, electron, neutron



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(c)

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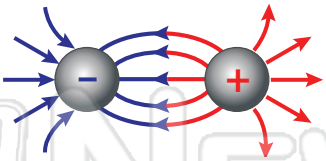
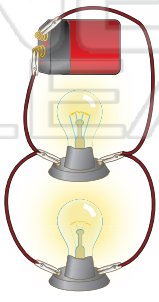


5 In a **parallel circuit**, if **one bulb goes out**, **what happens** to the other bulb?

the other bulb will stay lit

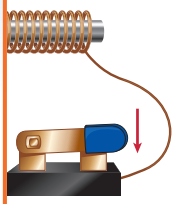


6 A fuse is a **safety device** that has a metal wire which melts and **stops the electrical current** from flowing through a circuit when the **current becomes too strong**.

7 **Magnetism** is the property of attracting or repelling certain kinds of materials. What is the **area around a magnet** called?

magnetic field

d the iron
at is one
stronger?



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electromagnet