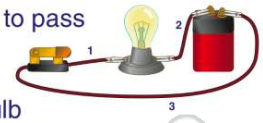
Electricity

Sci F

Name _____ Class _____ Date _____

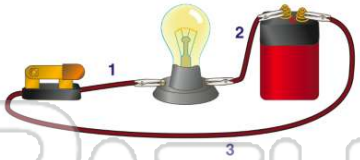
1 What is the function of the **switch** shown in the diagram below?

A it allows current to pass through it
B it provides power for the bulb
C it increases the voltage
D it keeps the battery working



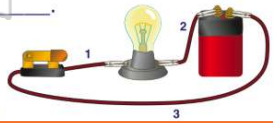
2 In the diagram below, if the bulb was **taken out** of the socket, how much **current** would pass though point #1?

A all
B most
C some
D none



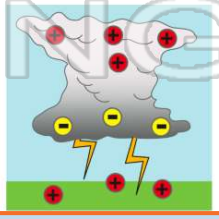
3 In the picture below, if the **battery** was replaced with a **newer** one with the same voltage on the label, one possible result would be _____.

A the bulb burning out
B the wire burning



4 What is the **cause of the lightning** in the diagram below?

A rain
B thunder
C static electricity



5

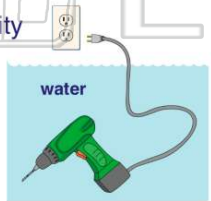
7

C electrons
D watts

C a battery
D a switch

9 What is most **unsafe** about using an **electric drill** in this situation?

A working with electricity near water
B using an electrical tool
C getting wet
D the drill will rust



10 Why is working with electricity near water **dangerous**?

A it wastes energy
B water creates extra resistance
C water conducts electricity
D water decreases electric current

PREVIEW

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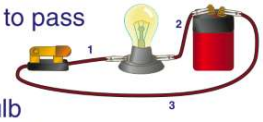
ANSWER KEY

What is the function of the **switch** shown in the diagram below?

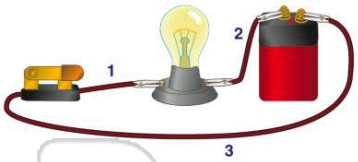


A it allows current to pass through it
B it provides power for the bulb
C it increases the voltage
D it keeps the battery working

a

In the diagram below, if the bulb was **taken out** of the socket, how much **current** would pass though point #1?

A all
B most
C some
D none



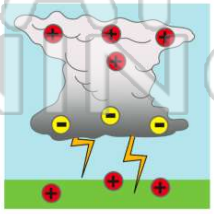
d

In the picture below, if the **battery** was replaced with a **newer** one with the same voltage on the label, one possible result would be _____.

A the bulb burning out
B the wire burning
C the bulb looking brighter
D

c

What is the **cause of the lightning** in the diagram below?



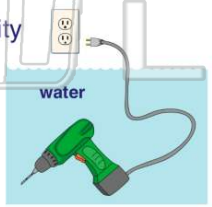
A rain
B thunder
C static electricity
D increased resistance

c

D watts

D a switch

What is most **unsafe** about using an **electric drill** in this situation?



A working with electricity near water
B using an electrical tool
C getting wet
D the drill will rust

a

Why is working with electricity near water **dangerous**?

A it wastes energy
B water creates extra resistance
C water conducts electricity
D water decreases electric current

c