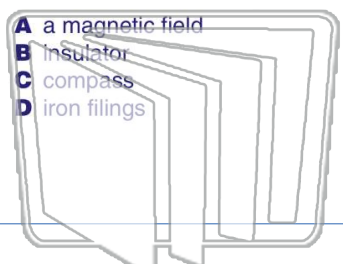




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

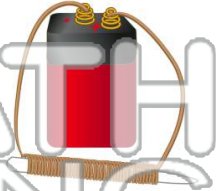
1 What can be created by an **electric current** running through a **wire**?



- A a magnetic field
- B insulator
- C compass
- D iron filings

2 The relationship of **magnetism** to **electricity** is referred to as \_\_\_\_\_.

- A generation
- B transformation
- C electromagnetism
- D magnetic force



3 The picture below is of a **wind turbine**. What would this turbine be **used** for?

- A convert chemical energy

4 The word **solenoid** is another name for \_\_\_\_\_.



5

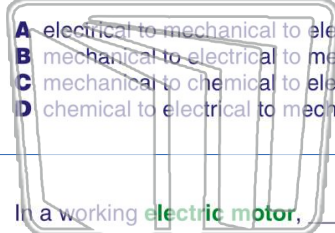
## PREVIEW

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7

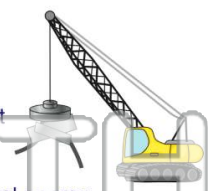
**wheels** on the locomotive. Which correctly describes the **energy transfers** that are occurring?

- A electrical to mechanical to electrical
- B mechanical to electrical to mechanical
- C mechanical to chemical to electrical
- D chemical to electrical to mechanical



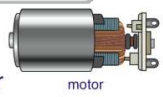
is used to \_\_\_\_\_.

- A strengthen a magnetic field
- B warm up the magnet
- C keep the magnet from freezing up
- D increase the electrical energy



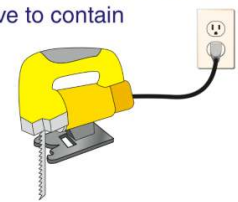
9 In a working **electric motor**,

- A a solenoid converts AC to DC electric power
- B only permanent magnets are used
- C the polarity of the electromagnet is reversed
- D the polarity of the permanent magnet is reversed



10 In the diagram below, a man is using an **electrical saw**. In order for this saw to work, it would have to contain a(n) \_\_\_\_\_.

- A turbine
- B generator
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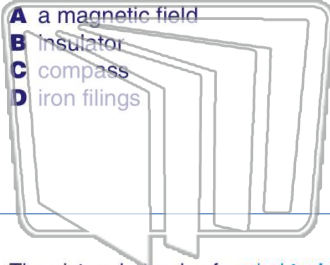


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1

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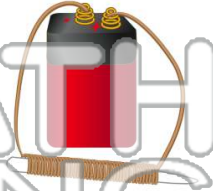
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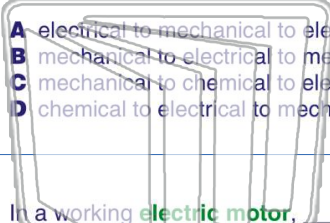
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7

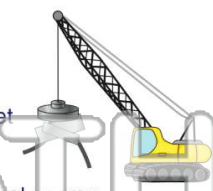
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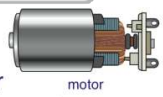
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