

Instructions: Answer the questions below. Write C next to the correct answer(s) and X next to the incorrect answer(s). More than one can be correct.

1. When there is no flow of electric current, electromagnets lose their _____.
 - a. ____ electricity
 - b. ____ magnetism
 - c. ____ attraction
2. Electromagnetic _____ are used in scrapyards to separate metal objects.
 - a. ____ trains
 - b. ____ mobiles
 - c. ____ cranes
3. Loudspeakers use electromagnets to amplify _____.
 - a. ____ sound
 - b. ____ electricity
 - c. ____ power
4. If the electric circuit is _____, the magnet is turned _____.
 - a. ____ closed, on
 - b. ____ closed, off
 - c. ____ open, off
5. What are examples of electromagnets in everyday life?
 - a. ____ MRI machines
 - b. ____ Microphones
 - c. ____ Horseshoe magnets
 - d. ____ Electric cables
 - e. ____ Maglev trains
 - f. ____ Mobiles

Instructions: Write true or false next to the statements below. If false, write the correct sentence below the false sentence. If the sentence is true, just write true on the line below the sentence.

1. _____ Electromagnets are much weaker than ordinary magnets.

2. _____ An electromagnet is a magnet that only works with electricity.

3. _____ When the switch opens, the electromagnet turns on.

4. _____ An electromagnet consists of an iron core surrounded by a magnet.

5. _____ Memory sticks store data in electromagnetic format.
