

# Chapter: Electric Current and Its Effects

Subtopic: Electromagnet and its applications.

## Section 1- Fill in the blanks with appropriate words.

- 1a. \_\_\_\_\_ is used in many devices such as electric bell.
- 1b. Doctors use tiny electromagnets to take out the small pieces of \_\_\_\_\_  
\_\_\_\_\_ that have accidentally fallen in to the eye.
- 1c. Give any one feature of an electromagnet.  
\_\_\_\_\_.

## Section 2- Mark 'T' if the statement is true and 'F' if it is false:

- 2a. Many toys have electromagnet inside them.

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- 2b. The beginning of the crane has a weak electromagnet attached.

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- 2c. The iron nail in an electromagnet should be 11-20m long.

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## Section 3- Draw and identify the following diagrams.

3. Draw an electromagnet.



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## Section 4- Answer the following questions in one sentence.

- 4 Do the pins cling to the tip of the nail when the current is switched on and off?

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- 5 Give examples of electromagnet.

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- 6 What is the use of electromagnet?

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## Section 5 -Answer the following question in brief.

- 7 Define Electromagnet.

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- 8 What is an 'Electric Bell'?

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## Section 6- Answer the following questions in detail.

Explain with a neat diagram about how the electromagnet was formed? Do you think an electromagnet can be used for separating plastic bags from a garbage heap?

9 Explain.

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10 Write in detail about the Electric Bell.

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