

# Textbook questions Homework 2

**Instructions for students:** Follow your teacher's instruction.  
Also, you can attempt this test online and see your result.



[Solve online](#)

## 1. Choose the appropriate answer II (2 m.)

1. Magnets lose their properties when they are .....

- A) hit with a hammer
- B) cleaned
- C) used
- D) stored

2. Mariner's compass is used to find the .....

- A) motion
- B) speed
- C) direction
- D) displacement



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## 2. Fill in the blanks II (2 m.)

- A) magnetic
- B) ring magnet
- C) lodestones
- D) two

1. In olden days, sailors used to find direction by suspending a piece of

2. A magnet always has \_\_\_\_\_ poles.



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## 3. True or False. If False, give the correct statement II (2 m.)

1. A compass can be used to find east west direction at any place.

The statement is

- A) False
- B) True
- A) A compass always points towards east-west direction
- B) A compass always points towards north-south direction

2. Rubber is a magnetic material.

The statement is

- A) False
- B) True
- C) Rubber is a non-magnetic material
- D) Rubber attracts a magnetic material



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#### 4. Intext activity 1 (1 m.)

Take a magnet:

Take the magnet closer to the objects surrounding you. What happens?  
Observe and note.

The objects attracted by the magnet:

The objects, not attracted by the magnet:

Which substances are used to make the objects attracted by the magnet?

The substance used to make the objects attracted by the magnet is

- A) plastic
- B) wood
- C) iron



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#### 5. Intext activity 2 (1 m.)

Let us make magnets:

1. Take a nail/a piece of Iron and place it on a table.
2. Now take a bar magnet and place one of its poles near one edge of the nail/piece of Iron and rub from one end to another end without changing the direction of the pole of the magnet.
3. Bring a pin or some iron filings near the nail/piece of Iron to check whether it has become a magnet.

Does the nail/piece of iron attract the pin/iron filings?

- A) No
- B) Yes

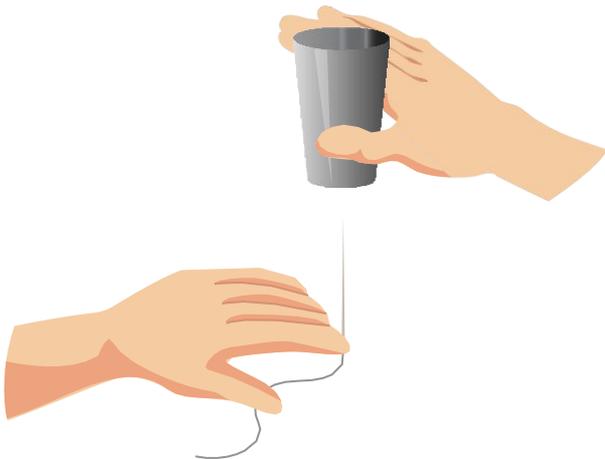
\_\_\_\_\_, the nail/piece of iron attract the pin/iron filings.

If not, continue the same process for some more time. Repeat the process for 30 to 40 times.



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## 6. Intext activity 5 (3 m.)



*Experimental set-up*

1. Take a steel glass.
2. Take a needle through which thread is passed.
3. Press the thread with a finger near the hole of the needle as shown in the figure and raise the glass upward slowly.

What happens? Observe the same activity performed by your teacher and note it.

Does the needle stand vertically up without touching the glass? Why this happens?

- A) No
- B) Yes

it is seen that the needle is

- A) raised vertically up
- B) does not raise
- C) raised horizontally

in the air without any support. It shows the

- A) attracting
- B) repulsive

property of magnetic materials.



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