



Formative Assessment Part(b) -Unit Test Magnetism



Answer With Solution Steps For The Formative Assessment Part(b)
-Unit Test.

Click / Scan QR Code to Attempt More Number of Practice Test in
Magnetism .

1. Choose the correct answer

1. Which of the following is the natural magnetic material?

☒ A) Cobalt

☐ B) Wood

☐ C) Glass

Explanation: Cobalt is a natural magnetic material.

2. Which of the following is the non-magnetic material?

☐ A) Iron

☒ B) Plastic

☐ C) Magnetite

Explanation: Plastic is an example of non-magnetic material.

2. Fill in the blanks

1. Magnetite is a natural magnet which contains iron .

2. Similar poles of magnets will repel each other.

3. When two magnets are moved close to each other, they either attract or repel each other.

3. True or False

1. Chinese travellers used lodestones for navigation.

☒ A) True

☐ B) False

Correct statement: The Chinese discovered that a natural magnetic stone, i.e., lodestone, when suspended aligns in the north-south direction at rest. Chinese travellers used these lodestones for navigation in the ocean. They suspended a piece of lodestone in their ships or boats to locate directions during a storm.

2. A freely suspended bar magnet comes to rest in south-west direction.

☐ A) True

☒ B) False

Correct statement: A freely suspended bar magnet comes to rest in *em*north-south*em* direction. Hence, this is used to find direction in an unknown place. A magnet, when suspended freely in the air, will always come to rest in the north-south direction.

3. Chinese travellers used lodestones for navigation.

A) True

B) False

Correct statement: The Chinese discovered that a natural magnetic stone, i.e., lodestone, when suspended aligns in the north-south direction at rest. Chinese travellers used these lodestones for navigation in the ocean. They suspended a piece of lodestone in their ships or boats to locate directions during a storm.

4. Match the following

- | | | |
|--|---|-----------------------|
| 1. Leading stone is a good example of | - | Non-magnetic material |
| 2. Does not attract iron | - | Artificial magnet |
| 3. Man-made substances which attracts iron | - | Natural magnet |
| 4. Permanent magnet | - | Natural magnet |
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