

## Worksheet for chapter 13) : - Fun With Magnets

The following questions are important for your exams for 1 mark 2 mark or 5 marks. First solve the questions on your own and then saw the solution for understanding it better.

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### Practice worksheet for class 6

#### Section A

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**Q.1.) Define magnet?**

→ The substance having property of attracting iron, Cobalt and nickel these substances called as magnet.

**Q.2.) which device used to determine the direction?**

→ The device used to determine the direction having magnet called as compass.

**Q.3.) name the naturally occurring ore contain iron?**

→ Magnetite is naturally occurring ore contain iron in it.

**Q.4.) define magnetic substances and give examples?**

→ The substances which attracted towards the magnet called as magnetic substances.

E.g., iron , Cobalt , Nickel containing substances.

**Q.5.) what are the non-magnetic substances give examples?**

→ The substances which not attracted towards magnet called as non-magnetic substances .

E.g., Wood, plastic, leather.

**Q.6.) who find the natural magnet?**

→Shepherd who lived in ancient Greek found the natural magnet.

**Q.7.) which natural magnet found by shepherd?**

→Magnetite is an natural magnet found by shepherd.

**Q.8.) what is North and South pole of magnet?**

→Each magnet has two magnetic poles and named as a North pole and South pole. This magnetic pole attracts the magnetic substances.

**Q.9.) what do you mean by permanent magnet?**

→ The magnet which retains its property over a long period of time called as permanent magnet.

**Q.10.) explain the property of direction of a magnet?**

→ A freely suspended magnet always aligns in North and South direction this property of a magnet called as property of direction of a magnet.

**Q.11.) what is the location of poles in bar magnet?**

→ The poles in a bar magnet are located at the ends of a magnet.

**Q.12.) define attractive property of a magnet?**

→The property of a magnet in which the magnet attracts only opposite poles towards each other called as attractive property of a magnet.

**Q.13.) what is repulsive property of a magnet?**

→The property of a magnet in which magnet repel its similar poles away from each other called as repulsive property of a magnet.

**Q.14.) why magnet should not be hammer?**

→ If magnet hatted or hammer , the properties of magnet maybe lost hence magnet should not be hammer.

**Q.15.) give three uses of magnet?**

→

1. Magnets are used in refrigerators , compass, and doorbells.
2. Magnets are used in motors , loudspeakers, and microphone
3. Ceramic magnets are used in computers.
4. Magnets are used in toys.

**Q.16.) Write the properties of magnet?**

→

1. Attraction property :-Magnets attracts magnetic substances like iron Cobalt nickel towards it.
2. Directive property :- of really suspended magnet always pointing in North and South direction.
3. Repulsive property :- magnets Repel the similar poles away from each other.
4. Attractive property :- magnets attracts the opposite poles towards each other.

**Q.17.) give the four types of magnets?**

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1. Bar magnet
2. Cylindrical magnet
3. Disc magnet
4. Spherical magnet
5. Permanent magnet
6. Temporary magnet

**Q.18.) explain compass?**

→

1. Compass is a small box with a glass cover on it. Magnetic needle is pivoted inside the box which can move freely. Compass also has a dial with directions marked on it.
2. The compass is kept at a place where we wish to know the direction.
3. The magnetic needle indicates the north and south direction when it comes to rest.
4. The compass is then rotated until North and South marked on the dial are at the two ends of the needle.
5. To identify North and South, dial of the needle is usually painted in different colors.

**Q.19.) write some important precautions while handling the magnets ?**

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1. Magnets should not be hammered or bent as they can lose their property.
2. Magnets should not be dropped from some height.
3. Magnets lose their property if they are not stored properly.
4. Bar magnets are always stored in pairs and separated by a piece of wood.
5. Two bars of soft iron called magnetic keepers are kept across their ends.

**Regards,**

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