



CBSE Practice papers

## FUN WITH MAGNETS

class-6-Science Number of Questions: 55

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Magnet was first discovered by the shepherd called:

- Madris  Magnes  Marcos  Agnes

2

Magnetic ore was first discovered in:

- Mozambique  Magnesia  Indonesia  Macedonia

3

Who proposed that the earth behaves like a giant magnet?

- Michel Faraday  William Gilbert  Joseph Henry  Hans Christian Oersted

4

Magnetite is an ore of

- Aluminum  Iron  Zinc  Magnesium

5

Bar magnets have two poles. What are they?

- East and west  North and south  Red and blue  Left and right

6

Which of the following is attracted towards a magnet?

- Aluminium  Iron nail  Copper nail  Ebonite

**7**

Which of these objects would be attracted to a magnet?

- A leather purse    A steel key    A wooden ruler    Tooth brush

**8**

A magnet will attract only:

- A copper nail    A brass screw    An aluminium wire    A nickel coin

**9**

Which of the following is not associated with magnets?

- North Pole    East Pole    South Pole    Magnetic field

**10**

Which of the following statements is true?

- The north pole of a magnet is stronger than the south pole of a magnet  
 The south pole of a magnet is stronger than the north pole of a magnet  
 North and south poles are of equal strength  
 There is maximum attraction in the middle of a bar magnet

**11**

Two magnets are placed next to each other and repel each other. What is one possible explanation for this?

- One magnet is made of copper  
 The north poles of both magnets are facing one another  
 The north pole of one magnet is facing the south pole of the other magnet  
 One magnet is made of silver

**12**

Which one of the following is a magnetic material?

- China ware    Brass    Silver    Common pin

**13**

The materials that are attracted towards a magnet are called:

- Manganese materials
- Insulators
- Non-magnetic materials
- Magnetic materials

**14**

Which of the following is non-magnetic?

- Iron
- Nickel
- Copper
- Cobalt

**15**

What happens when opposite poles of two magnets are kept closer?

- The two magnets repel each other
- The magnets repel each other sometimes
- The two magnets attract each other
- The behavior of the two magnets cannot be predicted

**16**

The magnetic strength of a magnet is:

- Concentrated at the centre of the magnet
- Concentrated at one of the poles of the magnet
- Concentrated at both the poles of the magnet
- Distributed uniformly throughout the magnet

**17**

Which of the following types of magnets has two poles close to each other?

- Dumb-bell magnet
- Cylindrical magnet
- Bar magnet
- Horseshoe magnet

**18**

Which of the following is the strongest?

- Bar magnet
- Natural magnet
- Horseshoe shaped magnet
- All are equally strong

**19**

Which of the following does not get demagnetised when a powerful magnet is kept near it?

- Music system
- Television set
- Cell phone
- Wooden door

**20**

Which of the following is not a property of a magnet?

- Like poles attract    Unlike poles attract    Like poles repel  
 Gold is a natural magnet

**21**

Attraction is seen between the poles of two bar magnets when:

- N-pole of one magnet is placed in contact with the N-pole of the other magnet  
 N-pole of one magnet is placed in contact with the S-pole of the other magnet  
 S-pole of one magnet is placed in contact with the S-pole of the other magnet  
 In all the above cases

**22**

The device used by sailors and navigators to know the direction is called a:

- Micrometer    Magnetometer    Machmeter    Magnetic compass

**23**

A type of magnet in which the magnetic field is produced by an electric current flowing through a coil surrounding it is:

- A natural magnet    A permanent magnet    An electromagnet    A resistor

**24**

A bar magnet has no markings to indicate its poles. We can find out the end on which its north pole is located by using:

- An iron bar    Iron fillings    Another magnet having marked north and South Pole  
 Another magnet without poles marked

**25**

What will happen to a magnet when we cut it into two pieces?

- Both the magnets will act like a single magnet    Magnetic properties will be lost  
 Each piece will have own poles    The poles of the magnets get separated

**26**

Electromagnets are magnetic all the time.

- True    False

**27**

A freely suspended magnet always points in the:

- East direction    North-south direction    East-west direction  
 Any direction by chance

**28**

A freely suspended magnet settles in the north- south direction because:

- North direction attract north pole    South direction attract south pole  
 Earth behaves like a huge magnet    It is a natural magnet

**29**

A magnet can be demagnetized by:

- Heating it    By placing a keeper across it    Cutting it into two pieces  
 Using it for a long time

**30**

Repulsion is the sure test of:

- Magnesite    Magnetism    Magnitude    Hypnotism

**31**

A magnet that stays magnetized only for a short while is called a:

- Sphere Magnet    Temporary magnet    Disc magnet    Permanent magnet

**32**

Which of the following is a natural magnet?

- Bauxite    Cylindrical magnet    Andalusite    Magnetite

**33**

How many poles do U-shaped magnets have?

- No poles    One pole    Two poles    More than two poles

**34**

We can change a sewing needle into a magnet by:

- Hammering it
- Boiling it at a high temperature
- Heating it strongly
- Single touch method

**35**

Magnetic field lines:

- Intersect at one point
- Intersect at two points only
- Intersect at many points
- Never intersect each other

**36**

The magnet that does not require electricity for its magnetic property is called a:

- Soft magnet
- Temporary magnet
- Permanent magnet
- Electromagnet

**37**

Which property of a compass needle is used to find out the direction?

- North pole of a compass needle directs towards the north direction
- North pole of a compass needle attracts the south pole
- South pole of a compass needle is attracted towards the north direction
- North pole of a compass needle directs towards the south direction

**38**

What will happen when a magnet falls accidentally in water?

- It may break into two equal magnets
- It may lose its magnetic power
- It may become more magnetic
- Its magnetic property remains the same

**39**

Which of the following statements is wrong?

- Magnetic poles never exist in pairs
- The two ends of a magnet are called the poles of a magnet
- An electromagnet is made by passing an electric current through a coil of wire
- Natural magnets have low magnetic power

**40**

Which of the following statements is true?

- Brass is a magnetic material
- A magnet is attracted to the aluminum frame of a window
- A magnet need not always have two poles
- A keeper helps the magnet stay magnetized

**41**

What must a bar be made of to become a permanent magnet?

- Steel
- Stainless steel
- Aluminium
- Iron

**42**

A magnetic field is a visible area around every magnet.

- True
- False

**43**

Attraction is the surest test of magnetism.

- True
- False

**44**

A compass needle is made of:

- Manganese
- Silver
- Magnet
- Bronze

**45**

We can preserve the strength of a magnet by placing a \_\_\_\_\_ across its ends.

- Magnetic keeper
- Magnetic compass
- Ring Magnet
- Plastic keeper

**46**

How many keepers does a horseshoe or U-shaped magnet need?

- One
- Two
- Three
- Zero

**47**

A magnet will not lose its magnetism even if it is repeatedly dropped on the floor.

- True
- False

48

Which of the following statements is not true in case of storing bar magnets?

- Bar magnets should be kept in pairs
- The poles of two magnets should lie on the same side
- A wooden piece should be kept between the two bar magnets
- Magnetic keepers should be placed at both the ends

49

Which of the following statements is true?

- Magnetite is a powerful artificial magnet
- A magnet can have either north pole or a south pole
- Magnets are used in making a locking arrangement for doors of refrigerators
- A cylindrical magnet has only one pole

50

A magnetic compass is an instrument used to find:

- Directions
- The dimensions of the earth
- The temperature of a place at a given point of time
- The pressure of a fluid at a specific depth

51

If we break a bar magnet into three parts, how many poles will be formed?

- Two
- Four
- Six
- Eight

52

Which of the following statements is true?

- The magnet was discovered in Germany
- A bar magnet is shaped like a ring
- For a horse shoe magnet, one should keep a piece of iron across the poles to preserve its strength
- Heating increases the magnetic power of a magnet

53

A magnetic field can pass through:

- Only non-magnetic substances
- Only magnetic substances
- Both magnetic and non-magnetic substances
- Through translucent and opaque materials only



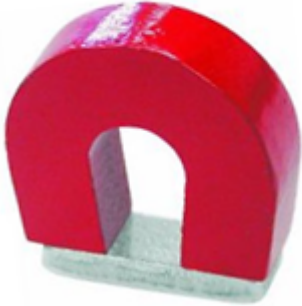
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What is the name of the first magnet?

- Asbestos  Lodestone  Electromagnet  Lodestar

55

Identify the type of magnet?



- Disc magnet  Ball ended magnet  Ring magnet  
 Horseshoe magnet Horseshoe magnet

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