



INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE



Subject : Science	Topic : Fun with magnets	Date of Worksheet :
Resource Person: Mrs.Induresmi	Date : _____	
Name of the Student : _____	Class & Division : _____	Roll Number : ____

1. **Give one word answer for the following:** 1
mark
each
- a) The substances having the property of attracting iron.
 - b) Naturally occurring rock that possesses the properties of a magnet.
 - c) The two free ends of a magnet that have the strongest magnetic force.
 - d) The two poles of a magnet
 - e) The end of a magnet that points towards the geographical north pole
 - f) The end of a magnet that points towards the geographical south pole
 - g) An instrument with a magnet used by sailors and the navigators to find the directions.
 - h) The name given to a U shaped magnet
 - i) The area around a magnet upto which it can attract very fine iron filings

2. **Correct the following statements by substituting the highlighted words.** 1
mark
each
- a) The magnetic power of the magnet is **negligible** at the poles of a magnet.
 - b) The north poles of two magnets **attract** each other.
 - c) The south and north poles of two magnets **repel** each other.
 - d) Two poles of a magnet **can** be separated by cutting it into two pieces.
 - e) Iron and cobalt are **artificially** found magnetic materials

3. **Complete the table.** 1/2
mark
each
- | | |
|----------|-----------|
| Column I | Column II |
| S- | Repulsion |

N- S	
S-	Attraction
N -N	

- 4 **Select the odd one out giving reasons:** 2
 Aluminium , Copper , Brass , Iron marks
 Balloon ,Steel cup , Stainless steel plate , Pencil each
- Answer the following:**
- 5 Name any two modern devices in which magnets are used. 1
- 6 What is a natural magnet made of? 1
- 7 Where are the poles of a bar magnet located? 1
- 8 What happens when a bar magnet is freely suspended? 1
- 9 What property of magnets help in deciding that two poles are like poles? 1
- 10 What property of magnets help in deciding that two poles are unlike poles? 1
- 11 What property of a magnet is used to make a compass? 1
- 12 What happens when the unlike poles of two magnets are brought close to each other? 1
- 13 What happens when the like poles of two magnets are brought close to each other? 1
- 14 Where will you find the maximum magnetic force in a magnet? 1
- 15 What will happen if a magnet is brought near a compass? 1
- 16 Which poles of two separate magnets will attract each other? 1
- 17 How will you test that tea dust is not adulterated with iron powder? 1
- 18 Classify the given materials as magnetic or non – magnetic: ½
 Cobalt, Cotton, Paper, Eraser , Safety pin, Pepsi can ,Shaving blade, Plastic ruler. mark
- 19 A bar magnet is cut into two pieces from the middle as shown in the figure. Mark the ½
 poles of these two pieces. What will happen if these magnets are further broken? mark
each.

