BCM SCHOOL, CHANDIGARH ROAD, LUDHIANA
A SENIOR SECONDARY SCHOOBCM FOUNDATION AFFILIATED TO CBSE NEW DELHI
WORKSHEET – SCIENCE CLASS VI CHAPTER-4 EXPLORING MAGNETS

SECTION A: Multiple Choice Questions:
1. Which one of these is a magnetic substance -
a) Aluminium b) Nickel c)Paper d)Zinc

2._____ of a magnet always exist in pairs.
a)Colours b) Poles c) Bars. d) Size

3. Earth's magnetic north pole is towards its geographical _____
a)South b)North c)West d)East

SECTION B: Assertion/Reason Questions -
a) Both A and R are true, and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.
c) A is true, but R is false.
d) A is false, but R is true.
1. Assertion: Permanent bar magnets are stored between soft iron pieces.
Reason:Magnets tend to become weaker, if their poles are free
2. Assertion:On cutting a magnet into smaller pieces, we get smaller magnets and each magnet has both North and South poles.
Reason: Poles of a magnet always exist in pairs.

SECTION C: Short Answer Type Questions:
Q1.Write 4 uses of magnets.
Q2.Explain the arrangement that is used to keep the bar magnets safe.
Q3.What will happen if two bar magnets with their unlike poles are brought close to each other. Explain with the help of a diagram.
Q4.Jiya's mother had made some rice chips. She had spread them on a piece of cloth to dry. She was walking past it when some pins from the box in her hand slipped and fell. How can she remove those pins easily?
Q5.Differentiate between Natural and Artificial magnets.

SECTION D: Case Study
Magnets are used by us in many ways. In the door of cabinets and cupboards to pencil boxes and Refrigerator .It is also used in a compass to find out the direction. Mostly we make use of its attractive property. It attracts all magnetic materials.
Q1. A freely suspended bar magnet comes to rest in which direction?
Q2.What is a magnetic compass? What is its use?
Q3.Mention 3 reasons due to which a magnet loses its magnetic properties.
Q4.Who discovered magnet and in which country it was discovered?