

Rosary School / Marj El-Hamam
Science Worksheet (8.B.1)



Name: _____

Grade 2 ()

Date: _____

Magnetic and Non-magnetic
Materials

Objective: Sort materials into magnetic and non-magnetic materials

Q.1) Here are some materials

gold	cobalt	copper	aluminium
steel	silver	nickel	iron

Write down the materials in the correct columns of the table.

Magnetic	Non-magnetic
steel	gold
cobalt	copper
iron	aluminium
nickel	silver

Q.2) Which of these sentences is true

.the correct answer (✓) Tick

- Magnets attract all types of metals.
- Magnets do not attract non-magnetic materials.
- Two metals can attract or repel each other.

Q.3) Use the word **attract** or **repel** to complete the sentences

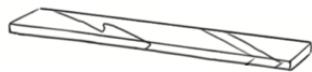
.Magnets ____ **attract** ____ all metals that are magnetic

.Magnets ____ **attract** ____ and ____ **repel** ____ other magnets

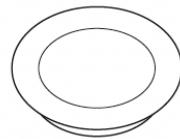
.Q.4) Ali mixes the objects below in a tray



gold ring



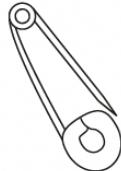
iron bar



paper plate



rubber band



steel safety pin



wooden fork

?What will he observe if he brings a bar magnet near the tray

.Explain

The iron bar and steel safety pin will be attracted to the magnet because they are made of magnetic material.

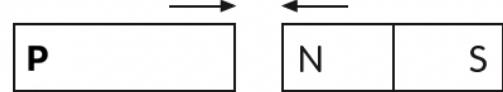
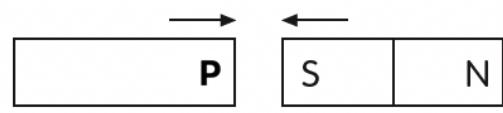
The other material will stay in their place because they are not attracted to the magnet.

.Q.5) Amelia carries out an experiment using a magnet and a bar

.One end of the bar is marked P

Amelia brings the poles of the magnet and the ends of the bar close together

.The diagrams show what she observes



What can Amelia conclude about the bar

The bar is made of a magnetic material, or it could also be a magnet.

The north and south poles attract each other.

The north and north/ south and south poles repel each other.