

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?

Tick (✓) the correct answer.

- ☐ 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 can attract all metals that are magnetic.

Magnets can attract and repel other magnets.

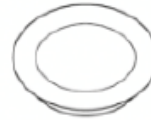
Q.4) Ali mixes the objects below in a tray.



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.

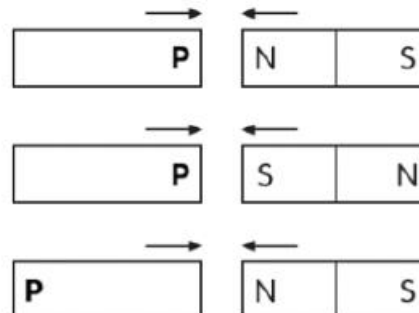
The iron bar and steel safety pin will be attracted to the magnet. These objects are made of magnetic materials.

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.