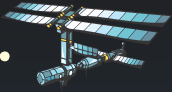




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SPACE EXPLORERS™

Hands on Astronomy & Space Sciences Workshops



Educational Resource



TERRA MAGNETA



Kids are inquisitive beings. They explore that their home planet Earth, is a huge magnet. The magnetic field of the earth acts as a savior and makes life easy on the planet. They experiment to understand the peculiar nature of magnets and discover them as an essential component for space exploration.

CHALLENGE YOURSELF

Word Search

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| C | G | A | I | S | T | S | I | N |
| O | M | A | G | N | E | T | A | R |
| M | E | T | E | L | C | B | S | E |
| P | T | D | O | M | A | I | N | A |
| A | E | P | G | A | S | N | F | H |
| S | O | N | G | R | E | E | C | E |
| S | R | M | R | I | D | D | T | E |
| D | S | P | G | R | E | P | E | L |

At Home

- Small regions in a magnet that act as small magnets.
- Ends of a magnet.
- Device used to find directions.
- Like poles _____ and unlike poles attract.



- DOMAIN
- POLE
- COMPASS
- REPEL

- Matter from outer space that enters the Earth's atmosphere and appears like a streak of light in the sky.
- Material used to detect Iron in meteorites.
- Magnets were discovered in this country.

- METEORS
- MAGNET
- GREECE

OBSERVATION LOG

Q1 Predict what will happen. Tick the correct answer.

- a. Attract Repel 
- b. Attract Repel 

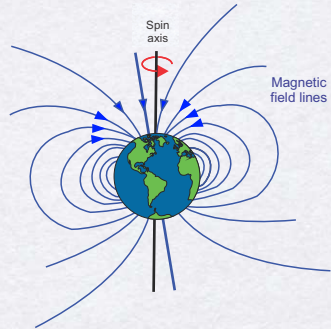
Q2 Find the poles of these magnets! Write 'P' for the poles wherever you find them during the experiment.



Q3 Tick the correct answer.

a) Earth acts like a _____.

1. Ring magnet
2. Horseshoe magnet
3. Bar magnet
4. Circular magnet



b) What are the uses of magnets in space?
(more than one answer could be correct)

1. To stick forks/spoons on food trays of astronauts
2. To find humans on other planets
3. For measurement of magnetic field of Moon
4. To check magnetic rocks on Mars
5. To find aliens on planets

c) What all do you need to create an electromagnet yourself?

1. Plastic wire, long iron nail, batteries
2. Copper wire, long wooden nail, batteries
3. Copper wire, long iron nail, batteries

