

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Block: \_\_\_\_\_

## Study Guide: Magnetism / Electromagnetism

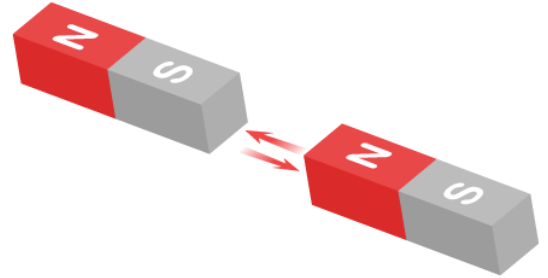
### Important Vocabulary

Magnetic Pole, Magnetic force, Magnetic field, Field lines, Electromagnetism

### What is Magnetism?

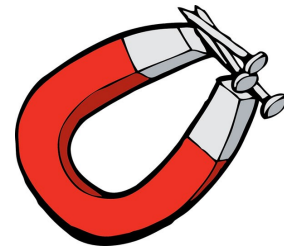
#### Properties of Magnets:

1. Magnets attract iron
2. Magnets attract or repel other magnets
3. One end of the magnet will always point north



#### How do poles interact?

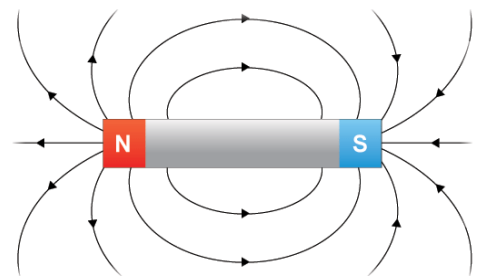
1. Magnetic field is strongest at the poles
2. Magnets always have a north and south pole
3. Unlike poles attract
4. Like poles repel



### Magnetic Fields:

#### What is a magnetic field shape?

1. Force is exerted all around the magnet
2. Field lines map the invisible magnetic field
3. The closer the lines, the stronger the force
- 4.



#### What is Earth's magnetic field like?

1. A compass is used for navigation, needle points north
2. The Earth has a magnetic field
3. The Earth has both geographical and magnetic poles, which are slightly different

