

Name Answer Key  
Date \_\_\_\_\_

Science  
Physical Science

### Magnetic FKA2 Study Guide

**\*\*FK on \_\_\_\_\_\*\***

Study these vocabulary words:

- Attract
- Repel
- Pole
- Magnet
- Electromagnet
- Charge
- Static electricity



Use vocab words

- Negative - one of the charges for an electric charge
- Static force - an electric charge that has built up and exerts force

Think about these:

List the magnetic poles that attract each other.

- north and south
- south and north

When two of the same poles are near each other, what happens?

- they repel each other

How can you make the magnetic force between two magnets weaker?

- put more distance between the two magnets.

Magnets and electromagnets, what's the difference?

- electromagnets can be turned on and off

When you rub a balloon on your head and then stick it on a wall, what is happening?

- static electricity

Name the forces that can act when objects are not touching each other.

- electric force  
- magnetic force  
- gravity

Name some objects that are likely to be pulled toward a magnet.

- nail    - metal spoon  
- paper clip    - soda can

If you add more loops of wire to an electromagnet, then how does that change the strength of the magnet?

The strength of the electromagnet will increase.