**Generators and Motors** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Key Vocabulary:**

Generator

Electromagnet

Kinetic Energy

Alternating Current

Direct Current

Stator

Alternators

Motor

Armature

Split Ring Commutator

Stronger Magnet

Rotor

Coil of Wire

Iron Core

Polarity

Increased Movement

Permanent Magnets

Magnetic Field

**Making Predictions:**

Write four sentences using the words above in a manner that you think will describe the meaning of the article you will be reading later. You may use more than one of the words/phrases in a particular sentence.

What are some questions you may have about the article you are about to read?

**Paper Dialogue:**

As you read the article, keep a running dialogue with your partner(s) on the paper provided to clarify and answer questions that you may have during the reading. You can write but you cannot speak.

**Summary Notes:**

With assistance of your partner(s), complete the graphic organizer notes sheet to focus on the “big picture.”

**Modify Predictions:**

After reading the text, review the sentences you wrote. If the way you used it fits the text, simply write no change. If not, revise your sentence to fit the text.

**What are the scientific principles**

**Involved in the operation of a**

**generator and a motor?**