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

**STUDY GUIDE: Magnetism and Electricity**

**Directions:** Answer the following questions to the best of your ability.

1. Fill in the chart describing the results of the following combinations. What happens when you put the north pole of one magnet with the north pole of a second magnet? Etc.

|  |  |
| --- | --- |
| N / N |  |
| N / S |  |
| S / S |  |

1. Why do magnets float?
2. Like poles \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each other and unlike poles \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each other.

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3. Which force is stronger?
   1. Gravity b. Magnetism
4. A magnetic field can be produced by the movement of electric currents via a(n):
   1. Permanent magnet b. Electromagnet c. Magnet d. Electricity
5. What is electricity?
6. Give an example of an insulator and an example of a conductor.
7. What is a contact point?

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