

## Brain POP - Magnetism

Name \_\_\_\_\_

1. A naturally occurring iron ore that is magnetic is \_\_\_\_\_. This is where magnets get their name. Magnus discovered that he could pick up an iron pot with a rock he called \_\_\_\_\_. All magnets are surrounded by a \_\_\_\_\_.
2. Magnets have 2 poles, \_\_\_\_\_ and \_\_\_\_\_. Opposite ends \_\_\_\_\_ each other while similar ends \_\_\_\_\_.
3. Not all \_\_\_\_\_ are magnetic. But any metal that contains \_\_\_\_\_ could be.
4. \_\_\_\_\_ cannot be magnetized.
5. The alignment of the \_\_\_\_\_ \_\_\_\_\_ inside a magnet are the same and creates a \_\_\_\_\_.
6. The earth has its own \_\_\_\_\_ \_\_\_\_\_ and \_\_\_\_\_. It pulls at the \_\_\_\_\_ needle and that why it points to the north pole.
7. \_\_\_\_\_ are made up by running a current through \_\_\_\_\_ or \_\_\_\_\_.
8. Running a current through a wire creates a \_\_\_\_\_.
9. \_\_\_\_\_ \_\_\_\_\_ built the first electromagnet in \_\_\_\_\_.
10. Match the following words with their meanings.

- |                       |   |
|-----------------------|---|
| _____ Magnetism       | a. Measures the magnetic North                            |
| _____ Magnetite       | b. An invisible force that pushes or attracts objects     |
| _____ Poles           | c. Pull inside a magnet                                   |
| _____ North and South | d. Naturally occurring iron ore that is magnetic          |
| _____ Compass         | e. Two points on a magnet where the pull is the strongest |
| _____ Magnetic domain | f. Names for the poles                                    |

**Challenge:** Draw a diagram of a bar magnet and the back of this page and label the following: SOUTH POLE, NORTH POLE, DOMAINS, and MAGNETIC FIELD.