

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

## Magnetism: Fill in the Blanks

- 1) \_\_\_\_\_ is the force exerted by magnets when they attract or repel each other.
- 2) The \_\_\_\_\_ is a naturally magnetized piece of mineral magnetite.
- 3) The invisible area around a magnet is called \_\_\_\_\_.
- 4) The \_\_\_\_\_ is a giant magnet and has a magnetic field around it.
- 5) The magnetic force is the strongest at the \_\_\_\_\_.
- 6) The \_\_\_\_\_ and the \_\_\_\_\_ are the two poles of a magnet.
- 7) The \_\_\_\_\_ a compass is a magnetized piece of metal that always points toward the \_\_\_\_\_.
- 8) \_\_\_\_\_ are coils of wire that behave like bar magnets when an electric current passes through.
- 9) Iron, nickel, cobalt, and most of their alloys are \_\_\_\_\_.
- 10) A \_\_\_\_\_ is an example of ferromagnetism.
- 11) The lines of magnetic induction \_\_\_\_\_ at the north pole and \_\_\_\_\_ at the south pole.
- 12) Magnets can pull objects without touching them. This is an example of \_\_\_\_\_.