

Name : _____

Fill in the Blanks

- 1) _____ is the force exerted by magnets when they attract or repel each other.
- 2) _____ is a naturally magnetized piece of mineral magnetite.
- 3) An instrument used to measure the magnetic field is called a _____.
- 4) The invisible area around a magnet is called _____.
- 5) The _____ is a giant magnet and has a magnetic field around it.
- 6) Magnetic field strength decreases when the _____ increases.
- 7) The magnetic force is the strongest at the _____.
- 8) _____ and _____ are the two poles of a magnet.
- 9) The _____ of a compass is actually a magnetized piece of metal always pointing towards the _____.
- 10) _____ are coils of wire which behave like bar magnets when an electric current passes through.
- 11) Iron, nickel, cobalt and most of their alloys are _____.
- 12) A _____ is an example of ferromagnetism.
- 13) The lines of magnetic induction _____ at the north pole and _____ at the south pole.
- 14) Refrigerator doors use the _____ property of magnets.
- 15) Magnets can pull objects without touching them, this is an example of _____.

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Answer key

Fill in the Blanks

- 1) **Magnetism** is the force exerted by magnets when they attract or repel each other.
- 2) **Lodestone** is a naturally magnetized piece of mineral magnetite.
- 3) An instrument used to measure the magnetic field is called a **magnetometer** .
- 4) The invisible area around a magnet is called **magnetic field** .
- 5) The **earth** is a giant magnet and has a magnetic field around it.
- 6) Magnetic field strength decreases when the **distance** increases.
- 7) The magnetic force is the strongest at the **poles** .
- 8) **North** and **south** are the two poles of a magnet.
- 9) The **needle** of a compass is actually a magnetized piece of metal always pointing towards the **north** .
- 10) **Electromagnets** are coils of wire which behave like bar magnets when an electric current passes through.
- 11) Iron, nickel, cobalt and most of their alloys are **ferromagnetic** .
- 12) A **refrigerator magnet** is an example of ferromagnetism.
- 13) The lines of magnetic induction **diverge** at the north pole and **converge** at the south pole.
- 14) Refrigerator doors use the **attraction** property of magnets.
- 15) Magnets can pull objects without touching them, this is an example of **non-contact force** .