# Global Electromagnetism Facts

Electromagnetism · Practice Test · 15 Questions

**1. Which natural phenomenon, caused by the interaction of solar wind with Earth's magnetic field, is famously visible in the skies of Norway and Canada?**

A) Aurora Borealis
B) Solar Eclipses
C) Monsoons
D) Tidal Waves

**2. The Earth acts like a giant magnet. Which of these is a common device used globally to navigate by detecting the Earth's magnetic field?**

A) Sextant
B) Compass
C) Astrolabe
D) Sun Dial

**3. The South Magnetic Pole is currently located near which large landmass?**

A) Australia
B) Africa
C) Antarctica
D) Greenland

**4. The Arecibo Observatory, which studied electromagnetic waves from space, was historically located in which territory?**

A) Puerto Rico
B) Japan
C) Iceland
D) Brazil

**5. Which layer of the Earth's atmosphere, which reflects radio waves, is ionized by solar radiation?**

A) Troposphere
B) Stratosphere
C) Ionosphere
D) Exosphere

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**6. The Great Pyramid of Giza is oriented towards the cardinal points. Which magnetic tool was not yet in use to align it during ancient times?**

A) Magnetic Compass
B) Plumb Line
C) Star Alignment
D) Shadow Clock

**7. What is the name of the shield created by Earth's magnetic field that protects the planet from harmful solar radiation?**

A) Ozone Layer
B) Magnetosphere
C) Crust
D) Atmosphere

**8. Lightning is a massive discharge of electricity. Which region of Venezuela is famous for the Catatumbo lightning, a near-constant display of electrical storms?**

A) Amazon Basin
B) Lake Maracaibo
C) Andes Mountains
D) Orinoco Delta

**9. Modern high-speed Maglev trains, which use electromagnetic levitation, are extensively used in which Asian country?**

A) Japan
B) Thailand
C) Mongolia
D) Laos

**10. Which mineral, known as lodestone, is a naturally magnetized form of magnetite found in many parts of the world?**

A) Quartz
B) Feldspar
C) Magnetite
D) Calcite

**11. The North Magnetic Pole has historically been observed moving towards which country's Arctic region?**

A) Russia
B) Canada
C) Australia
D) Chile

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**12. What is the name of the device used to measure the intensity of the Earth's magnetic field?**

A) Thermometer
B) Barometer
C) Magnetometer
D) Hygrometer

**13. Radio waves are a type of electromagnetic radiation. Which international organization regulates radio frequency allocation globally?**

A) ITU
B) WHO
C) UNESCO
D) NASA

**14. Many migratory birds, such as the Arctic Tern, are believed to use what to navigate long distances across the globe?**

A) Magnetoreception
B) Thermal currents
C) Ocean currents
D) Sunlight only

**15. In 1831, Michael Faraday discovered electromagnetic induction. Which country was he from?**

A) United Kingdom
B) France
C) Germany
D) Italy

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