

16. Magnetic effects are observed in a region around a magnet called the
 a. magnetic domain c. magnetic pole
 b. magnetic field

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17. A magnetic field is composed of
 a. domains c. charged atoms
 b. iron filings d. lines of force

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18. An instrument currently used for navigation that operates on the principle of magnetism is a
 a. map b. lodestone c. compass

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19. The theory that the earth is a giant magnet was proposed by
 a. Gilbert b. Maxwell c. Ampère d. Oersted

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20. To find the magnetic north pole of the earth, scientists use an instrument known as a

- a. compass c. lodestone
 b. dipping needle d. sextant

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Correct italicized word if false.

Modified True-False Questions

21. A lodestone contains an ore of *copper*.
 22. A substance that is not attracted to a magnet but allows magnetism to pass through it is said to be *artificial*.
 23. The magnetism of iron is called *ferromagnetism*.
 24. A lodestone is an example of a *natural magnet*.
 25. When steel is magnetized, it becomes a *temporary magnet*.
 26. The observation that opposite magnetic poles attract each other is stated in the *law of domains*.
 27. An invisible magnetic field can be detected by using *iron filings*.
 28. The angle that the magnetic field of the earth makes with the horizontal as measured by a dipping needle is called the *angle of inclination*.
 29. At the magnetic equator, the angle of dip is *90°*.
 30. The magnetic north pole is located in *northern Canada*.

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