

Earth Science Chpt 26 & 27**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

- _____ 1. A telescope that uses a set of lenses to gather and focus light from distant objects is a
- reflecting telescope.
 - refracting telescope.
 - radio telescope.
 - space telescope.
- _____ 2. Telescopes have been sent to space because ground-based telescopes
- cannot detect invisible electromagnetic radiation.
 - cannot investigate stars.
 - experience interference from Earth's atmosphere.
 - do not work in dry air.
- _____ 3. A constellation's change in position over several hours is caused by
- Earth's revolution around the sun.
 - the tilt of Earth's axis.
 - Earth's rotation on its axis.
 - the movement of stars.
- _____ 4. Foucault's pendulum provided evidence that
- Earth rotates.
 - Earth revolves around the sun.
 - Earth has an elliptical orbit.
 - Earth's axis tilts.
- _____ 5. If it is Monday west of the International Date Line, what day is it east of the line?
- Sunday
 - Monday
 - Tuesday
 - Wednesday
- _____ 6. The Coriolis effect provides evidence that
- Earth rotates on its axis.
 - Earth revolves around the sun.
 - The moon revolves around Earth.
 - Earth has an elliptical orbit.
- _____ 7. Invisible electromagnetic radiation was discovered with a
- compass.
 - telescope.
 - thermometer.
 - prism.
- _____ 8. A type of electromagnetic radiation that has waves that are longer than waves of visible light is
- ultraviolet.
 - X ray.
 - gamma ray.
 - infrared.
- _____ 9. Which of the following planets do scientists NOT consider a major planet?
- Saturn
 - Mercury
 - Pluto
 - Neptune
- _____ 10. Small bodies that orbit planets are called
- comets.
 - moons.
 - planetesimals.
 - protoplanets.
- _____ 11. When early Earth's atmosphere formed, which of the following gases were lost because Earth's gravity was too weak?
- oxygen and helium
 - hydrogen and ozone
 - helium and nitrogen
 - helium and hydrogen

- _____ 12. Which of the following is NOT true of all the inner planets?
- a. They are made of solid rock.
 - b. They are called gas giants.
 - c. They do not have rings.
 - d. They have impact craters.
- _____ 13. Impact craters are caused by
- a. solar bursts.
 - b. atmospheric changes.
 - c. exploding volcanoes.
 - d. collisions with objects in space.
- _____ 14. The factors that contribute to Mercury's daily temperature fluctuation of about 600°C are the planet's slow rotation and
- a. its close proximity to the sun.
 - b. its dense atmosphere.
 - c. its heavy, rocky, waterless terrain.
 - d. the absence of an ozone layer to regulate temperature.
- _____ 15. Young Earth formed a core, mantle, and crust in a process called
- a. layering.
 - b. settling.
 - c. dispersion.
 - d. differentiation.
- _____ 16. The two inner planets most alike in size, mass, and density are
- a. Mercury and Venus.
 - b. Earth and Mars.
 - c. Venus and Earth.
 - d. Mars and Mercury.
- _____ 17. Which of the following planets has the most complex ring system?
- a. Neptune
 - b. Jupiter
 - c. Uranus
 - d. Saturn
- _____ 18. The majority of Jupiter is made up of
- a. nitrogen and oxygen.
 - b. rock and water.
 - c. helium and oxygen.
 - d. hydrogen and helium.
- _____ 19. Uranus's axis
- a. moves in a predictable manner.
 - b. is perpendicular to its plane of orbit.
 - c. is almost parallel to its plane of orbit.
 - d. flips once per orbit around the sun.
- _____ 20. The asteroid belt can be found between which two planets?
- a. Earth and Mars
 - b. Jupiter and Saturn
 - c. Mars and Jupiter
 - d. Saturn and Uranus