

22. In which list are celestial features correctly shown in order of increasing size?

- (1) galaxy → solar system → universe → planet
- (2) solar system → galaxy → planet → universe
- (3) planet → solar system → galaxy → universe
- (4) universe → galaxy → solar system → planet

23. Billions of stars in the same region of the universe are called

- (1) solar systems                      (3) constellations
- (2) asteroid belts                    (4) galaxies

24. The diagram below represents a standard dark-line spectrum for an element.



The spectral lines of this element are observed in light from a distant galaxy. Which diagram represents these spectral lines?



25. Most astronomers agree that at the present time universe is

- (1) contracting
- (2) expanding
- (3) staying the same size
- (4) expanding and contracting regularly

26. Which planet's diameter is approximately four times Earth's diameter?

- (1) Venus                                      (3) Saturn
- (2) Jupiter                                    (4) Uranus

27. Base your answer to the following question on the *Earth Science Reference Tables*.

Which of the following has the lowest density?

- (1) the planet Saturn                      (3) the planet Earth
- (2) the planet Jupiter                    (4) salt water

28. According to the *Earth Science Reference Tables*, three planets known as gas giants because of their large size and low density are

- (1) Venus, Neptune, and Jupiter
- (2) Jupiter, Saturn, and Venus
- (3) Jupiter, Saturn, and Uranus
- (4) Venus, Uranus, and Jupiter

29. Compared to the Jovian planets, terrestrial planets are

- (1) more dense and more massive.
- (2) less dense and more massive.
- (3) more dense and less massive.
- (4) less dense and less massive.

