Write the term that matches each definition:

Terms:	axis revolution gas giants terrestrial plane	comet rotation solar system ts	constellation star moons	meteorite orbit radius	meteor ellipse asteroids	planet axial tilt	
			remaining mate	emaining material from a meteor that reaches Earth's surface mass of gas that produces light and heat through nuclear eactions			
			a mass of gas t reactions				
			a group of stars	ars that form a pattern in the night sky			
			one complete trip in a planet's orbit				
			an imaginary rod stretching between the planet's North and South Poles				
			a large object that circles (orbits) a star and does not produce light of its own				
			the path a planet takes around the sun (or other star)				
			to turn or spin o	o turn or spin completely around			
			oval shape				
			giant "dirty sno	giant "dirty snowballs" made mostly of ice, rock, and dust			
					at are drawn in by Earth's gravity and fall sphere; friction causes them to burn up		
			the angle creat	ed by the axis of	a planet		
			planets that are	e Earth-like			
			natural objects	that revolve in a	n orbit <u>around a</u>	planet	
			a star and the c	objects that revol	ve around it		
			the distance fro	om one edge of a	circle or sphere	to the center	
			very large plan Earth	ery large planets made up of substances that would be gases on Earth			
			smaller, rocky o	objects that orbit	the sun		

<u>Circle the best answer to each question.</u> Read carefully, as some questions ask for more than one <u>answer to be selected.</u>

- 19. What causes day and night?
 - A. the Earth's revolution around the sun
 - B. the Earth's rotation on its axis
 - C. the Earth's momentum around the sun
 - D. the sun's revolution around the Earth
- 20. What causes a planet's year?
 - A. the Earth's revolution around the sun
 - B. the Earth's rotation on its axis
 - C. the Earth's momentum around the sun
 - D. the sun's revolution around the Earth
- 21. What causes seasonal changes throughout the year?
 - A. the Earth's revolution around the sun and its axial tilt
 - B. the sun's revolution around the Earth and its axial tilt
 - C. the Earth's momentum around the sun
 - D. the Earth's rotation on its axis and its axial tilt
- 22. Which of these statements are true? Circle all that apply.
 - A. Summertime has more hours of daytime than night time.
 - B. Summertime has more hours of night time than daytime.
 - C. Wintertime has more hours of daytime than night time.
 - D. Wintertime has more hours of night time than daytime.
- 23. How many known planets are in our solar system?
 - A. five
 - B. nine
 - C. ten
 - D. eight
- 24. Circle the objects that are part of our solar system. Circle all 5 that apply.
 - A. a star
 - B. moons
 - C. Polaris
 - D. planets
 - E. asteroids
 - F. Orion
 - G. comets
 - H. meteorites
 - I. galaxies

- 25. Which two planets may at times be called the farthest from the Sun?
 - A. Mercury and Venus
 - B. Jupiter and Neptune
 - C. Neptune and Pluto
 - D. Pluto and Uranus
- 26. Which planet in our solar system has the largest diameter?
 - A. Earth
 - B. Saturn
 - C. Jupiter
 - D. Sun
- 27. What is one A.U. (Astronomical Unit)?
 - A. the distance from Earth to the moon
 - B. the distance from the center of the Earth to the surface of Earth
 - C. the distance from Earth to Pluto
 - D. the distance from Earth to the Sun
- 28. Which planet is the only one in our solar system on which life is known to presently exist?
 - A. Earth
 - B. Mars
 - C. Mercury
 - D. None of the planets in our solar system are known to have life presently existing on them.
- 29. Which of the planets are referred to as the four "gas giants"? Circle all that apply.
 - A. Pluto
 - B. Neptune
 - C. Uranus
 - D. Earth
 - E. Mars
 - F. Mercury
 - G. Venus
 - H. Jupiter
 - I. Saturn
- 30. What is Jupiter's "Great Red Spot"?
 - A. a volcano
 - B. a huge crater
 - C. a giant circular storm
 - D. a moon
- 31. Which of the nine planets has the most unusual tilt?
 - A. Neptune
 - B. Uranus
 - C. Earth
 - D. Jupiter

32. Label each of the planets shown on this model of the solar system. Number the model in order of distance from the sun (1 is closest), looking at the overall orbit of the planet. Then write the matching planet names on the numbered lines below the diagram. Spell correctly, using the planet names on question 29 to help you.

33. Complete the diagram of the moon's phases. Use the terms list to spell correctly. Some terms are used more than once!

