Write the term that matches each definition:

Terms	: apparent magr red giant galaxy	nitude ab white dwar universe	solute magnitude f black dwarf	light-year supernova	nebula neutron star	protostar black hole	
			_ a huge collec	a huge collection of stars an extremely dense, invisible object in space whose gravity is so great that note even light can escape it			
			•				
			_ a unit of meas in one year	of measurement representing the distance that light travels year			
			_ a huge cloud	a huge cloud of gas and dust found in space the remains of a massive star that has exploded in a supernova a very large, old reddish star that has greatly expanded and cooled as its fuel has begun to run out			
			the remains o				
			_ a concentration	a concentration of matter found in space that is the beginn star			
			the measure of actually gives	•	ness, based on th	e amount of light it	
			_ an exploding	star			
			_ the sum of ev	erything that exis	sts		
			_ a very small,	dying star that gi	ves off very little	light	
			the cool, dark mass star	body that is the	final stage in the	life cycle of a low-	
			the measure	of a star's hrightr	ness as see from	Farth	

Choose or write the correct answer to each question.

- 14. What does a star's color tell astronomers?
 - A. the age of the star
 - B. the temperature of the star
 - C. the distance between Earth and the star
 - D. Color does not give astronomers any information about the star.
- 15. How do all stars produce energy?
 - A. They burn gasoline.
 - B. They are electrical.
 - C. They convert hydrogen to helium through nuclear reactions.
 - D. They convert uranium to hydrogen through nuclear fission.
- 16. What holds a star together?
 - A. inertia
 - B. solar power
 - C. nuclear reactions
 - D. gravity
- 17. What is the term for the *apparent* movement of a star in relation to Earth because of Earth's changing position?
 - A. parallax
 - B. parallel
 - C. exlax
 - D. light-year
- 18. If you look at two stars that actually give off the same amount of light, but the first appears brighter than the second star from Earth, what conclusion can you draw?
 - A. The first star must be giving off more light than the second star.
 - B. The second star must be closer to Earth than the first star.
 - C. The second star must be giving off more light than the first star.
 - D. The first star must be closer to Earth than the second star.
- 19. Which type of star is the Sun?
 - A. very highly massive
 - B. highly massive
 - C. average, low-mass
 - D. no one can tell
- 20. How big is a typical neutron star?
 - A. 9.5 trillion km in diameter
 - B. 186,000 miles in diameter
 - C. less than 12 miles in diameter
 - D. nobody knows

- 21. How might a black hole be detected?
 - A. A black hole might be detected if material from a nearby star is pulled into it.
 - B. A black hole might be detected if you have a very powerful telescope.
 - C. Black holes cannot be detected at all.
 - D. A black hole might be detected if you look for a dark spot in space.
- 22. What is the most common type of galaxy, as classified by shape?
 - A. spiral
 - B. irregular
 - C. elliptical
 - D. smudge
- 23. What type of galaxy, as classified by shape, is the Milky Way?
 - A. spiral
 - B. irregular
 - C. elliptical
 - D. smudge
- 24. How many galaxies are there in the universe?
 - A. exactly 100 billion
 - B. no one has any idea at all
 - C. as many as 100 billion
 - D. more than 200 trillion
- 25. Why is the Milky Way galaxy called the "milky way"?
 - A. It looks like a milky-white band in the sky when viewed from Earth.
 - B. It is named after a popular candy bar.
 - C. An ancient Roman ruler named it after his favorite drink.
 - D. It looks like the path a milk cow might take through the sky.
- 26. What is true about the universe?
 - A. There is no limit to the edge of the universe.
 - B. The universe is contracting.
 - C. The universe is expanding.
 - D. The universe's edge may be seen from Earth.
- 27. Who discovered that the universe's galaxies are moving apart?
 - A. Ptolemy
 - B. Edwin Hubble
 - C. Galileo
 - D. Cesar Agustus

Identify each type of galaxy. Spell correctly!					
1					
2					
3					
Number the order of events in the lifecycle of an average-mass star.					
red giant					
black dwarf					
nebula					
white dwarf					
protostar					
developed star					
Use the chart to answer each question.					
1. Name one star that is between 5,000° - 6,000°C					
2. What color is the Sun?					
3. What temperature range are blue-white stars?					
4. How hot is Betelgeuse?					

Complete your "long address" on this form: