Name: _		Class:	Date:	ID: A
Astro Q	uiz 2 (ch2)			
<b>Multiple</b> Identify th	Choice that best compl	etes the statement or ar	aswers the question.	
1.	Star A has an apparent A is than star B. a. 2 times fainter b. 2 times brighter c. 6.3 times fainter d. 6.3 times brighter e. 29.8 times fainter	- -	.4 and star B has an apparent visua	ıl magnitude of 15.4. Star
2.	<ul><li>a. Only stars close to constellations.</li><li>b. Every star is locate.</li><li>c. Only the brighter</li></ul>	ted in a constellation. stars are in constellatio	lescribes the relationship between 's orbital plane) are located in ns. ns. nncient Greeks are located in const	
3.	<ul><li>a. is about 27.32 da</li><li>b. is the period of ti</li><li>c. is the period of ti</li></ul>	ys long.  Ime for the moon to or  me between successive  me from when the moon	bit Earth once with respect to the e eclipses at a given location on E on rises until the moon rises again	arth.
4.	<ul><li>a. the moon must be</li><li>b. the observer must</li><li>c. the moon's color</li><li>d. the moon must be</li></ul>	* '	th's atmosphere. listance from Earth.	
5.	I. The photosph		_	

Name:		ID: A
	6.	<ul> <li>The ecliptic can be defined as</li> <li>a. the plane that is perpendicular to the Earth's axis of rotation.</li> <li>b. the projection of the Earth's equator onto the sky.</li> <li>c. the path traced out by the Moon in our sky in one month against the background stars.</li> <li>d. the path traced out by the Sun in our sky over one year against the background stars.</li> </ul>
	7.	The lowest amount of solar energy per square meter is incident upon the surface of Earth in the northern hemisphere on or about  a. December 21, the winter solstice.  b. March 21, the vernal equinox.  c. September 21, the autumnal equinox.  d. June 21, the summer solstice.
	8.	Precession of the rotation axis of Earth is caused by a. the force of gravity from the sun and moon on Earth's equatorial bulge. b. the force of gravity from the sun and Jupiter on the Earth-moon system. c. the magnetic field of Earth. d. the formation and subsequent melting of glaciers during the ice-ages. e. the impact of asteroids.
	9.	The point in Earth's orbit where Earth is farthest from the sun is known as  a. aphelion.  b. perihelion.  c. precession.  d. the winter solstice  e. a and d
1	10.	The celestial equator is  a. a line around the sky directly above Earth's equator.  b. the dividing line between the north and south celestial hemispheres.  c. the path that the sun appears to follow on the celestial sphere as Earth orbits the sun.  d. a and b.  e. a and c.
1	11.	The is the point on the celestial sphere directly above an observer who can be at any point on the Earth  a. north celestial pole b. south celestial pole c. zenith d. celestial equator e. nadir

Name	:		ID: A
	12.	Most star names, such as Aldebaran and Betelgeuse, are in  a. Latin. b. Greek. c. Arabic. d. English. e. Italian.	
	13.	The magnitude scale  a. originated just after the telescope was invented.  b. can be used to indicate the apparent intensity of a celestial object.  c. was devised by Galileo.  d. is no longer used today.  e. was used to determine the rate of precession.	
	14.	The apparent visual magnitude of a star is a measure of the star's  a. size.  b. intensity.  c. distance.  d. color.  e. temperature.	
	15.	The apparent visual magnitude of a star is 7.3. This tells us that the star is a. one of the brighter stars in the sky. b. bright enough that it would be visible even during the day. c. not visible with the unaided eye. d. very far from Earth. e. very close to Earth.	
	16.	The of an object depends on the diameter of the object and the distance to the object.  a. apparent brightness  b. apparent magnitude  c. zenith  d. angular diameter  e. color	
	17.	If you are standing at the Earth's North Pole, which of the following would be located at the ze a. The nadir b. The star Vega c. The celestial equator d. The north celestial pole	nith?
	18.	Stars in the same constellation  a. probably formed at the same time.  b. must be part of the same cluster of stars in space.  c. must have been discovered at about the same time at the same location in space.  d. may actually be very different distances away from the observer and from each other.	

Name:	ID: A
19.	During the month of June the north celestial pole points towards Polaris but during the month of December it points  a. just north of Polaris.  b. just south of Polaris.  c. towards the star Vega.  d. towards the star Thuban.  e. still towards Polaris.
20.	If the Earth's period of rotation doubled, but the period of revolution stayed the same  a. the night would be twice as long.  b. the night would be half as long.  c. the year would be half as long.  d. the year would be twice as long.  e. the length of the day would be unchanged
21.	The sun moves  a. about one degree westward each day.  b. about one degree eastward each day.  c. about 360 degrees westward each day.  d. about 360 degrees eastward each day.  e. along the celestial equator.
22.	The sun is on the celestial equator at the times of the  a. vernal equinox and the summer solstice.  b. autumnal equinox and the vernal equinox.  c. summer solstice and the winter solstice.  d. autumnal equinox and the winter solstice.  e. sun is on the ecliptic and is never on the celestial equator.
23.	A(n) is a set of beliefs that appears to be based on scientific ideas, but which fails to obey the most basic rules of science.  a. theory  b. hypothesis  c. pseudoscience  d. allegory  e. scientific model
24.	The Big Dipper is  a. a circumpolar constellation for southern hemisphere observers.  b. always on an observer's zenith.  c. an asterism.  d. only visible from the southern hemisphere.  e. a constellation

Name:	
-------	--

ID: A

## Essay

25. Explain why people who live close to the equator do not experience major changes in the seasons.