Quizlet

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20 Multiple choice questions				
1.	a star	at the end of its evolution; its mass similar to the sun with diameter 20km		
	a.	neutron star		
	b.	luminosity		
	c.	giant stars		
	d.	nucleus		
2.	the d	istance that light travels in one year		
	a.	light-year		
	b.	matter		
	c.	infrared		
	d.	giant stars		
3.		, highly luminous stars which are brighter than main sequence stars of the same colour; giants represent a late e in stellar evolution		
	a.	light-year		
	b.	infrared		
	c.	matter		
	d.	giant stars		
4.		pectrum of an element consisting of lines in certain frequencies (colours) only (each line being an image of the the spectroscope)		
	a.	geocentric		
	b.	line spectrum		
	c.	ionosphere		
	d.	giant stars		
5.	every	thing that exists that has mass and takes up space		
	a.	nucleus		
	b.	giant stars		
	c.	light-year		
	d.	matter		
6.	the d	ense positive core of the atom containing almost all the mass of the atom; made up protons and neutrons		
	a.	matter		
	b.	infrared		
	C.	parallax		

d. nucleus

7.	a sph	nerical shell of ionised gas surrounding the earth; it can be used to reflect short-wave radio waves
	a.	infrared
	b.	giant stars
	c.	nucleus
	d.	ionosphere
8.	-	m is one which has the centre of the earth as its reference point; the model of the solar system which has the at the centre
	a.	heliocentric model
	b.	ionosphere
	c.	matter
	d.	geocentric
۵	the c	onstant that relates the speed of recession of the galaxies to the age of the universe
٦.		nucleus
		hubble constant
		geocentric
		giant stars
10.	one v	which has the sun as the centre for measurements
		neutron star
	b.	heliocentric model
	C.	line spectrum
	d.	geocentric
11.	a dia	gram which displays the brightness of stars versus either their colour, spectral class or surface temperature
		hertzsprung-russle diagram
	b.	hubble constant
	C.	neutron star
	d.	Kepler's laws
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12.		laws relating the motion of the planets
		Kepler's laws
	b.	inverse square law

c. parallax

d. nucleosynthesis

13. electromagnetic waves with wavelengths ranging from 1mm to 0.1m

	a.	nucleus
	b.	ionosphere
	c.	infrared
	d.	microwaves
14.	a rela	ationship in which one quantity is directly proportional to the inverse of another quantity squared
	a.	main sequence
	b.	infrared
	c.	inverse square law
	d.	neutron star
15.	the p	roduction of the elements by nuclear reactions
	a.	geocentric
	b.	ionosphere
	C.	nucleosynthesis
	d.	nucleus
16.		orce of attraction between two masses is proportional to the product of the masses and inversely proportional to quare of the distance between their centres
	a.	hertzsprung-russle diagram
	b.	nucleosynthesis
	C.	neutron star
	d.	Newtons law of universal gravitation
17.	long-	wave radiation emitted by hot objects with wavelengths greater than 700nm and less than 1mm
	a.	microwaves
	b.	infrared
	C.	parallax
	d.	ionosphere
18.	the a	pparent movement of an object against a background, when viewed from different positions
	a.	nucleus
	b.	parallax
	C.	infrared
	d.	matter

- 19. a measure of the actual brightness of an astronomical object
 - a. nucleus
 - b. infrared
 - c. light-year
 - d. luminosity
- 20. a region on the H-R diagram containing the majority of stars; it is in this region that stars spend the main part of their lives converting hydrogen into helium
 - a. ionosphere
 - b. matter
 - c. main sequence
 - d. microwaves