		Date
Skills Workshee		
DR 18-3	<u>}</u>	pgs. 564-570
-	oping the Stars ent cultures group the stars in t	the sky?
2. What are two advances in as	- 1	er understanding of as a result of
PATTERNS IN T 3. What a	HE SKY are constellations?	
a. regi b. star	ons of the sky that contain reco s patterns	ognizable star patterns
a. to c b. to n c. to n	id people in ancient cultures u llations? reate land boundaries nake roads neasure the universe avigate and keep track of time	se the locations and movements of
	cient Greek constellation Orio Japanese constellation of a hur	

- b. the Japanese constellation of a drum.
- c. the Great Bear.
- d. the Ursa Major.
- 6. Which of the following is true of constellations?
 - a. All cultures interpret the sky in the same way.
 - b. Every star or galaxy belongs to a constellation.
 - c. All ancient civilizations had the same names for the same constellations.
 - d. Astronomers disagree on the names and locations of the constellations.

Name _		Class	Date			
DR 1	18-3 continued					
	7. How many conste a. 88 b. 128 c. over 1,000 d. over 10,000	ellations are there?				
	8. The apparent local locations a. every day. b. from season to c. every year. d. every other year.	season.	as in the night sky change their	r		
	a. because the Eab. because the Eac. because the sta	tions seem to change orth tilts on its axis orth revolves around to ars rotate around the H astronomical optical i	Earth			
	 a. People in all p b. People in Child States. c. People in the None people in the State State	e see the same conste Northern Hemisphere Southern Hemisphere.	the same constellations. Illations as people in the Unite see the same constellations as see different constellations th	S		
FINDI	FINDING STARS IN THE NIGHT SKY					
11. Ar	n instrument that is use	ed to determine a star	or planet's location is a(n)			
	hat are three reference ation to a person's pos		be a star or planet's position in	n		

Name Class	Date
DR 18-3 continued	
Match the correct definition with the correct term. \ provided.	Write the letter in the space
 13. an imaginary point directly above an observer's head 14. the line where the sky and the Earth appear to meet 15. the angle between an object in the sky and the horizon 16. an imaginary sphere that surrounds the Earth 17. an imaginary extension of the Earth's equator into space 18. The location of the sun on the first day of sprin 	a. zenith b. celestial equator c. horizon d. altitude e. celestial sphere
19. Astronomers measure object is from the vernal equinox.	in hours by how far east an
20. Astronomers measure	in degrees by how far north
or south an object is from the celestial equator. 21. Some stars located near Earth's poles can be senight. What are these stars called?	
THE SIZE AND SCALE OF THE UNIVERSE 22. A light-year is equal to the distance that a. 1 month. b. 1 year. c. 9.46 years. d. 9.46 trillion years. 23. One light-year is about 9.46 trillion a. yards. b. meters. c. kilometers. d. miles.	t light travels in

Name	Class	Date			
DR 18-3 c	ontinued				
a b c	low far away is the most distant ob about 1 billion light-years. 9.46 billion light-years. more than 10 billion light-years. about 100 billion light-years.	ject we can see?			
THE DOPP	LER EFFECT				
so a b c	What is the name of the effect that deems higher as it gets closer and low sound effect wavelength effect drowser effect doppler effect	-			
it a b c	When a star or galaxy moves quickly emits appears bluer than it usually would appears redder than it usually would appears darker than it usually would appears lighter than it usually would appears lighter than it usually would be appears li	d. ald. ald.			
e a b c	When a star or galaxy moves quickly mits appears bluer than it usually would appears redder than it usually would appears darker than it usually would appears lighter than it usually would appears lighter than it usually would appear than it usually would be appeared to the start of the st	d. ıld. ıld.			
28. An effect in which a star or galaxy appears to move quickly away from an					
observer	observer is called				
29. An effec	29. An effect in which a star or galaxy appears to move quickly toward an				
observer is called					
30. Edwin H	subble discovered that the light from	n all galaxies except the Milky			
	ose neighbors is affected by Edwin Hubble determine that the v				
	Edwin Traobic determine that the C	aniverse must be expanding.			