

- 40		<u>Stars</u>	
		Answer the following questions: What is the earth's nearest celestial neighbor?	
	V	What is its distance from the earth?	
	7	What governs the tides?	
		What causes an eclipse?	
		What is a shooting star?	
	sun, a r	2. Make a diagram showing relative positions and movements of the earth, sun, and moon. Show positions and area events for eclipses of the sun and moon. One may demonstrate by using an orange, walnut, and marble, or similar objects, to show positions and movements of the earth, sun, and moon when there is an eclipse of the sun and when there is an eclipse of the moon.	
	3. N	Make a diagram of our solar system	
	1	Name the planets in order from the sun.	
	1	6	
		2 7	
		3 8	
		4 9	
		5	

	4.	4. How fast does light travel?				
		How far does light travel in a year?				
	5.	What is the difference between planets and fixed stars?				
		Identify in the also sight fixed store				
		Identify in the sky eight fixed stars.				
		1 5				
		2 6				
		3 7				
_		4 8				
	6.	What is a constellation?				
		Name and point out six.				
		1 4				
		2 5				
		3 6				
		Name two constellations visible throughout the year.				
		1 2				
	7.	For the Northern Hemisphere: draw a chart of the Big Dipper, Cassiopeia, and the North Star. For the Southern Hemisphere: draw a chart of the Southern Cross, Orion and Scorpio.				
	8.	What is the Milky Way? Observe the Milky Way in the night sky.				
	9.	What is the morning star and evening star?				
		Morning star				
		Evening star				
		Why does it carry both names?				
		Observe the morning and evening star in the sky.				
	10.	Explain zenith and nadir.				
		Zenith				
		Nadir				

11.	What is the aurora borealis?					
	What causes it?					
12.	Discuss the statement made by Ellen G. White in <i>Early Writings</i> , page 41, concerning the opening in Orion.					

Stars, Advanced

_	1. Have the Star Honor.						
J	2.	2. How can you account for the apparent daily motion of the stars?					
_	3.	What are each of the following:					
		Planet					
		N. (
		Meteor					
		Constellation					
		Satellite					
		Meteorite					
		Fixed star					
		Comet					
		Nebula					
		Sunspot					
		Identify personally or from pictures an example of each.					

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	4.	Define the following terms:				
		Celestial sphere				
		Horizon				
		Transit				
		Celestial pole				
		Right ascension				
		Conjunction				
		Celestial equator				
		Declination				
		Ecliptic				
	5.	Explain the major difference between a refractor and reflector type of telescope.				
		Refractor				
		Reflector				
		Describe an equatorial telescope mounting				

	In what way are colors of st	ars used to indica	ate their temperature?		
7.	7. What connection is there between the ecliptic and the vernal autumnal equinoxes?				
	What dates are usually asso	ciated with the ed	quinoxes?		
8.	What dates are usually asso Learn the 12 constellations Know the history of the sign	called the signs o	-		
8.	Learn the 12 constellations Know the history of the sign	called the signs on sof the zodiac.	of the zodiac.		
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8.	Learn the 12 constellations Know the history of the sign 1.	called the signs on sof the zodiac. 7. 8.	of the zodiac.		
8.	Learn the 12 constellations Know the history of the sign 1. 2.	called the signs on sof the zodiac. 7 8 9	of the zodiac.		
8.	Learn the 12 constellations Know the history of the sign 1 2 3	called the signs on sof the zodiac. 7 8 9 10	of the zodiac.		
8.	Learn the 12 constellations Know the history of the sign 1 2 3 4	called the signs on sof the zodiac. 7. 8. 9. 10. 11.	of the zodiac.		
8.	Learn the 12 constellations Know the history of the sign 1	called the signs on sof the zodiac. 7 8 9 10 11 12	of the zodiac.		
8.	Learn the 12 constellations Know the history of the sign 1 2 3 4 5	called the signs on sof the zodiac. 7 8 9 10 11 12	of the zodiac.		

	Name five constellations that are visible between sunset and midnight in our hemisphere during:				
	a.	The summer months.			
	b.	The winter months.			
11. At what time of year is the constellation Orion best seen? Locate as idenify in the sky the three brightest stars of this constellation.					
	Time	e of year			
12.					
		e five illustrations of the ring the stars of a constell	se of the letters of the Greek alution.	phabet in	
		Proper name	Constellation name		
	1				
13.		rs and observe the ones that app			
	1		9		
	2		10		
	3				
	4		12		
	5		13		
	6		14		
	7		15		
14.	With		ow the relative positions of the	earth and	

□ 15		Describe the peculiar individual characteristics of the planets in our solar system.		
	Mercury	Mercury		
	Venus _			
	Earth _			
	Jupiter			
	Saturn			
	Uranus			
	Neptune)		
	Pluto _			
	Which	Which ones cannot be seen without the aid of a telescope?		
	Which t	wo planets are seen on	ly near the hours of sunrise or sunset?	
	1		2	
<u> </u>	. Where a	Where and in what way does the Bible refer to Orion, the Pleiades, and Arcturus?		
		Where	What way	
	Orion			