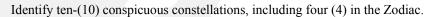
Scout Name	Unit #	Date

Astronomy Merit Badge Worksheet

Requirement 1





#	Name of Constellation Identified	Date and Time Identified MM/DD/YYYY HH:MM	Part of Zodiac? YES or NO
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Identify eight-(8) stars of the first magnitude.

#	Name of First Magnitude Star	Date and Time Identified MM/DD/YYYY HH:MM
1		
2		
3		
4		
5		
6		
7		
8		

Scout Name	Unit #	Date
Requirement 2		
Chart the position of Venus and Mars among the stars over a period of at least f observations.	our (4) weeks, and state the ex	xact period of your
WEEK 1. Date Time		
WEEK 2. Date Time		

Scout Name		Unit #	Date
WEEK 2 Data	Time		
WEEK 3. Date	Time		
WEEK 4. Date	Time		
			

Scout Name	Unit #	Date
Requirement 3		
Sketch the position of the Big Dipper in relation to the North Star and the horizon early	one evening.	
Date Time		
A		
North Star		
Six-(6) Hours Later. Sketch the position of the Big Dipper in relation to the North Star a	nd the horizon	
	ind the norizon.	
Date Time		
North Star		

	Unit #	Date	
Requirement 4			
disastingly about the large Col.	.1.441		
ndicate in the sky the limits of the group of stars which, as seen from your	latitude, never set.		
y your own observation, determine whether the Big Dipper or Cassiopeia	ever sets. □ YES □ NO		

Scout Name	Unit #	Date
Requirement 5		
Requirement 5		
Draw a diagram showing the relative positions of the sun, moon, and earth.		
NEW MOON		
TIZW MOOT		
FIRST QUARTER		

Scout Name	Unit #	Date
FULL MOON		
1. (1. (1. (1. (1. (1. (1. (1. (1. (1. (
V 37.0)		
LAST QUARTER		

Scout Name	Unit #	_ Date
	_	
ECLIPSE OF THE SUN		
L 4		
37.5		
ECLIPSE OF THE MOON		

Scout Name		Unit #	Date
Requirement 6			
Requirement o			
Explain the principal cause of tides.			
	1 4		
Draw a diagram showing the relative positions of the sun, moon, a	and earth.		
HIGH TIDE	LOW TIDE		

Scout Name		Unit #	Date
Requirement 7			
Explain the principal difference between a refle	ecting and a refracting telescop	oe.	
Show the difference by a simple diagram			
REFLECTING TELESCOPE	REFRAC	TING TELESCOPE	