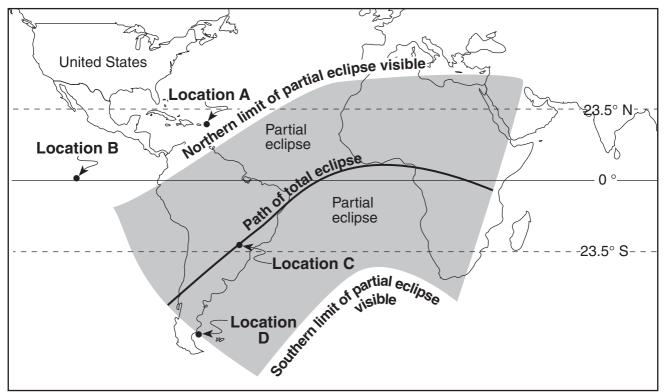


Solar Eclipse May 20, 1947













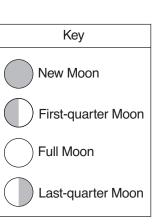






July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Information About the Moon

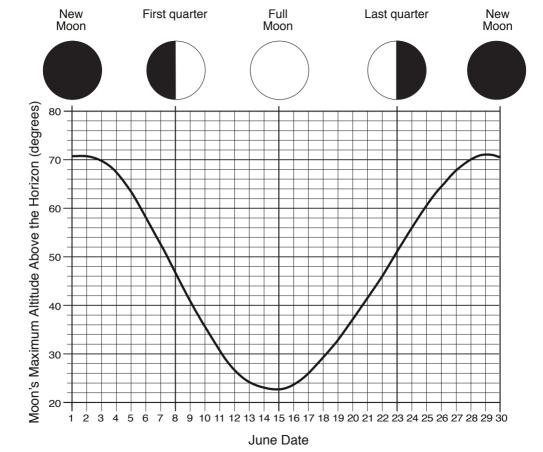
Subject

Subject	Current Scientific Theories			
Origin of the Moon	Formed from material thrown from a still-liquid Earth following the impact of a giant object 4.5 billion years ago			
Craters	Largest craters resulted from an intense bombardment by rock objects around 3.9 billion years ago			
Presence of water	Mostly dry, but water brought in by the impact of comets may be trapped in very cold places at the poles			
Age of rocks in terrae highlands	Most are older than 4.1 billion years; highland anorthosites (igneous rocks composed almost totally of feldspar) are dated at 4.4 billion years			
Age of rocks in maria plains	Varies widely from 2 billion to 4.3 billion years			
Composition of terrae highlands	Wide variety of rock types, but all contain more aluminum than rocks of maria plains			
Composition of maria plains	Wide variety of basalts			
Composition of mantle	Varying amounts of mostly olivine and pyroxene			

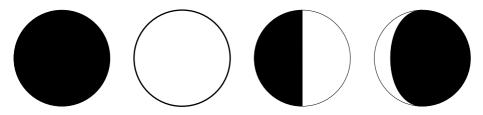
Current Scientific Theories

Data Table

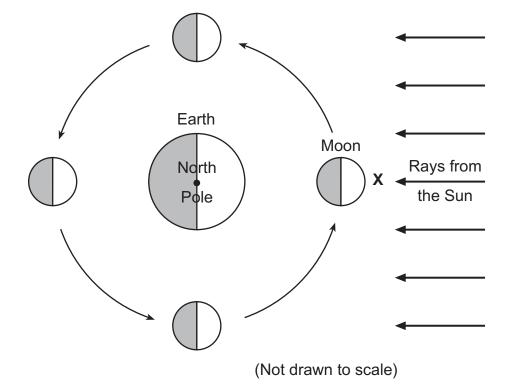
Date	Maximum Altitude of Moon (°)	Phase of Moon	
January 4	26	new	
January 13	63	first quarter	
January 19	72	full	
January 26	35	last quarter	
February 3	34	new	
February 11	70	first quarter	
February 18	60	full	
February 25	27	last quarter	

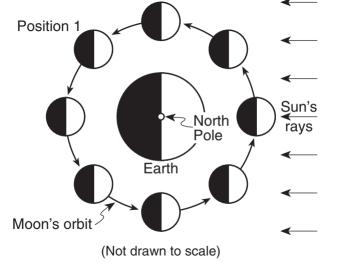


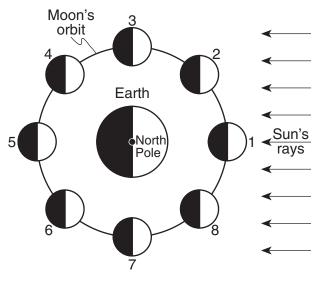




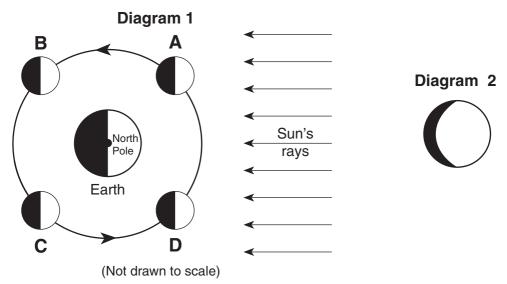


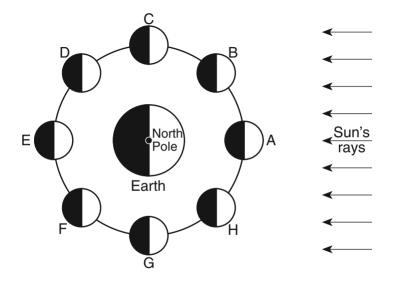




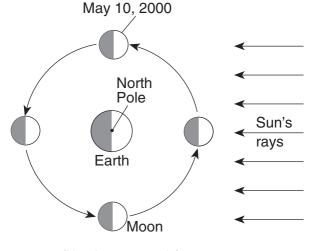


(Not drawn to scale)

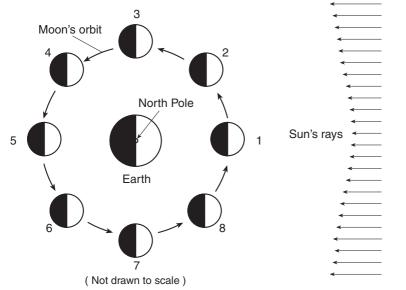


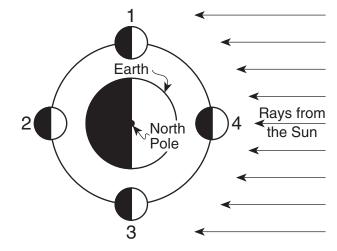


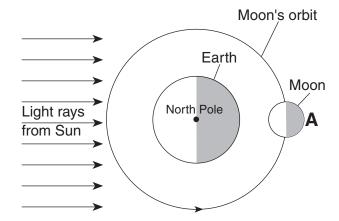
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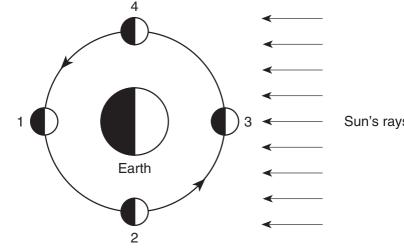


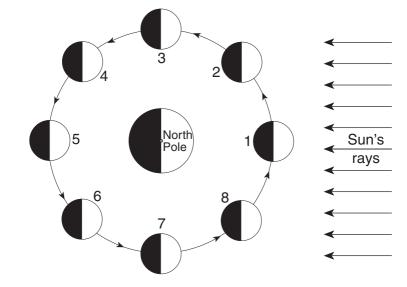
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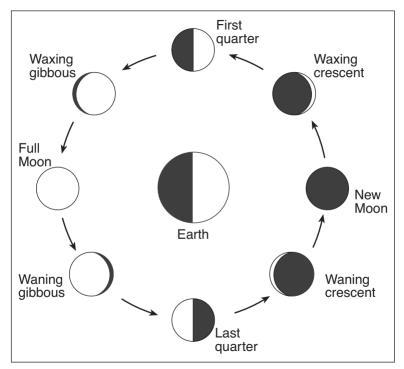


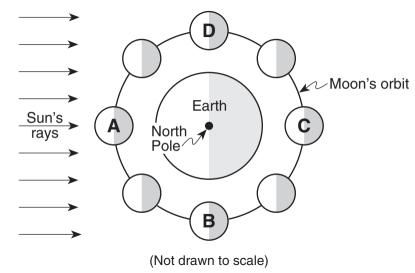


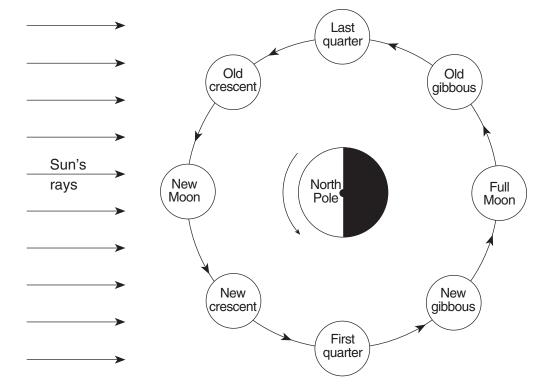


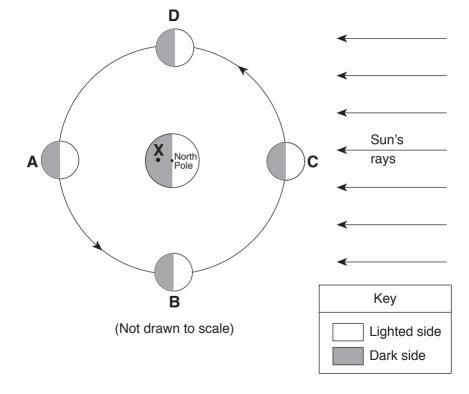


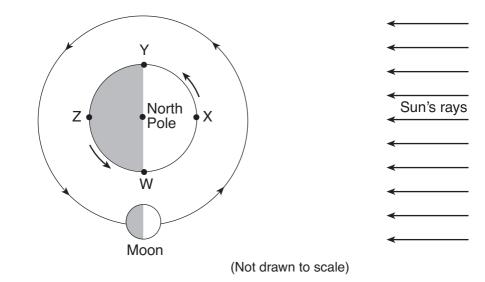


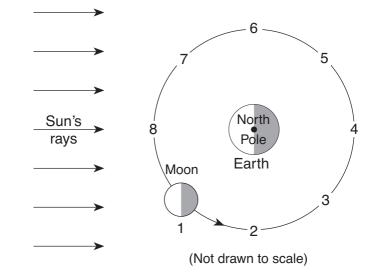




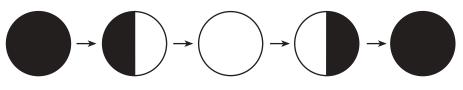


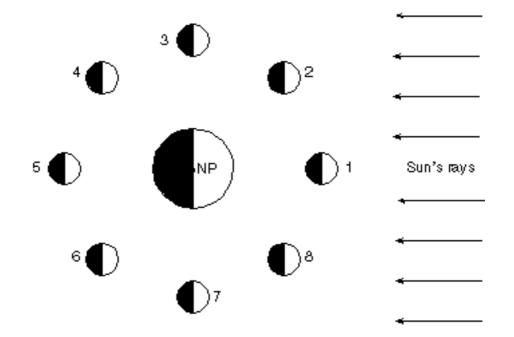




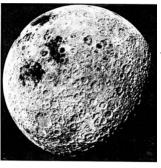


Date	Percentage of Lighted Side of the Moon Visible From Earth (%)
July 1	1
July 2	5
July 3	10
July 4	17
July 5	26
July 6	37
July 7	48
July 8	59
July 9	70
July 10	80
July 11	89
July 12	95
July 13	98
July 14	100

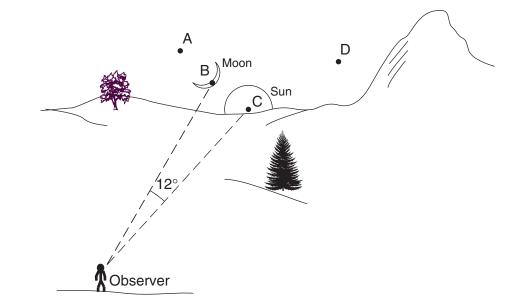


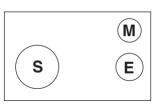


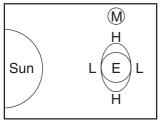






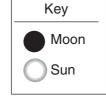




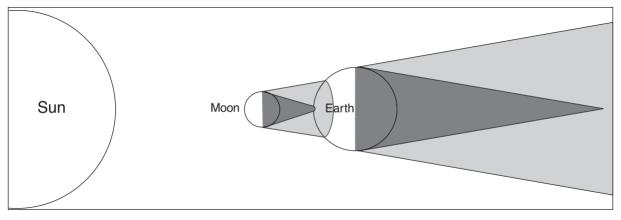


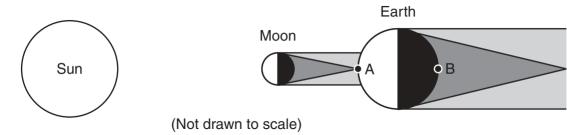


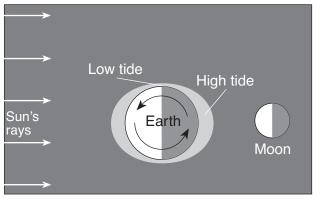


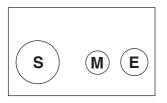


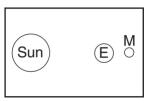


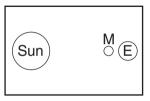


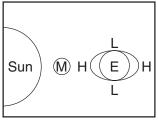














Hopewell Cape Tide Table, August 2005

Date	rime	ride Height (m)
21	1:28 a.m.	14.0
21	8:03 a.m.	-0.1
21	1:54 p.m.	13.7
21	8:26 p.m.	0.0
22	2:20 a.m.	14.0
22	8:52 a.m.	-0.2
22	2:46 p.m.	13.8

0.0

9:16 p.m.

22

