Geolo	The Legacy of Apollo: Geology of the Moon Geology 1P Mr. Traeger						
Name:			Period:	Date:			
The pu	Purpose The purpose of this activity is to use the Google Moon® and the Lunar and Planetary Institute Apollo Mission website to discover more about the Apollo moon landings and the geology that was investigated during our trips to the Moon.						
Procedure Go through the Apollo mission website and the Google Moon® website linked from the Internet Investigations page on the class website and find the answers to the following questions.							
					nown as seen from the Earth?		
2.				eas are called maria and l as of their geological origin			
3.	Go to Google Moo highest areas of el		levation tab. Where	e are the lowest areas of	elevation? Where are the		
4.	What are rilles? Ho	ow are they similar to	lava tubes formed	by Hawaiian volcanoes?			
5.		n® and click on the E ghlands? Why might t		e do you see the greatest	evidence of rilles? Are they in		
6.	What is basalt? W	nat areas of the moor	n do you find basalt	at?			
7.	What is anorthosit	e? What areas of the	moon do you find a	anorthosite at?			
8.	What is breccia? V	/hat areas of the mod	on do you find brec	cia at?			
9.	What is regolith ar	d how does it form? \	What is the most lik	ely area of the moon to fi	nd it?		
10.	. How many impact	craters would you est	imate cover the sid	le of the moon you are lo	oking at?		

11. What are lunar rays and how are they formed? How many of the craters would you estimate exhibit ray patterns?

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Part 2: Apollo Missions and Discoveries

1. What was the initial reason for the Apollo missions going to the moon? What were the motives of the Apollo missions towards the end of the program?

2. Answer the following about each mission landing.

Mission	Mission Overview	ut each mission landing. Landing Site	Surface	Science	Lunar Samples
Mission	imission ever view	Geology	Operations Conducted	Experiments Conducted	Retrieved
			Conducted	Conducted	
Apollo 11					
Apollo 12					
Apollo 12					
Apollo 14					
<u>710010 14</u>					
Apollo 15					
Apollo 16					
Apollo 17					

- 3. Why is Apollo 13 not listed here?
- 4. If you were to design a mission going back to the moon, what would you choose as your mission objective? Why?