The Legacy of Apollo: Geology of the Moon Geology 1P Mr. Traeger						
Name:	i	Period:	Date:			
discove	urpose of this activity is to use the er more about the Apollo moon la		nar and Planetary Institute Apollo I at was investigated during our trips			
Proced Go thro class w		and the Google Moon® web ne following questions.	osite linked from the Internet Invest	igations page on the		
	: Lunar Geology Basics Load Google Moon®. Look at the side of the moon facing away from the why only one side of the moon as	om the earth? How might th	s the side of the moon facing the e ne differential density of lunar crust	arth compare to the (mascons) explain		
2.	Go to Google Moon® and click highlands. How are these surface		eas are called maria and lighter are as of their geological origins?	as are called		
3.	Go to Google Moon® and click highest areas of elevation?	on the Elevation tab. Where	e are the lowest areas of elevation?	? Where are the		
4.	What are rilles? How are they s	imilar to lava tubes formed	by Hawaiian volcanoes?			
5.	Go to Google Moon® and click the maria or the highlands? Wh		e do you see the greatest evidence	of rilles? Are they in		
6.	What is basalt? What areas of t	he moon do you find basalt	at?			
7.	What is anorthosite? What area	s of the moon do you find a	northosite at?			
8.	What is breccia? What areas of	the moon do you find brece	cia at?			
9.	What is regolith and how does in under the microscope and desc		ely area of the moon to find it? Loc	ok at the sample		
10.). How many impact craters would	I you estimate cover the su	rface of the moon?			

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

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. Pick one Apollo Mission of your choosing in addition to Apollo 17 to research. Apollo 17 is important because it was the first (and last) mission with a Ph.D. geologist named Harrison Schmitt aboard. Answer the following about

ea	ch mission landing.				
Mission	ch mission landing. Mission Overview	Landing Site Geology	Surface Operations Conducted	Science Experiments Conducted	Lunar Samples Retrieved
Apollo ?:			Conducted	Conducted	
<u>Apollo :</u> .					
Apollo 17					
Apollo 17					

- 3. Why is Apollo 13 not listed in Google Earth®?
- 4. If you were to design a mission going back to the moon, what would you choose as your mission objective(s)? How would you find funding for your mission given that President Obama just canceled the Constellation Program to take the United States back to the Moon? Write this in essay format on a separate piece of paper and attach.