Mystery Detectives - Alien Landing <b>Clue 2</b>		Name:	
Your overall goal:		artner(s):	
To identify a mysterious igneous rock and determine setting in which it formed so that you can figure out vlanded.		Date:	
Tasks: Rotate to each station, observe each sample ar	nd answer these questions.	DEFINITION	
Additional materials for observation and analysing http://earthguide.ucsd.edu/mystery_detectives	sis are on the website:	Igneous rocks are formed when molten rock solidifias it cools.	ies
	s/learn/alien_landing/activity.php	Igneous rocks can solidify while underground, after erupted at the surface, or partly in each place.	r it is
For your science notebook 4E. Density			
Sample #1: Hematite	Sample #2: Talc		
Sample #3: Steel cube	Sample #4: Aluminum cu	ube Sample #4: Lucite cube	
<b>Hint for aliens -</b> We have something important to tell yo You'll need to understand it to unravel r			
<b>Density</b> is the heaviness of an object re than iron. An object will float in water if		me size, but made of different materials. Plastic is less dense t minerals have different densities.	ā
Know this, and you will be able to answer	er these questions.		
<b>4E.1 Which is more dense - Sar Sample #2?</b> Hold Sample #1 and Sample #2 in your ha more dense. What's density? See the hin	nd to estimate which is		