



BLUE MARBLE MATCHES

Research Planning

Based on your observations of images, answer the following questions. This may help you get started on a possible research investigation.

- List three visible features observed in images that interest you along with their associated geologic process. In the third column, indicate a specific aspect or characteristic of each feature you find interesting. An example has been provided for you.

Feature	Geologic Process	Aspect of feature that is interesting
<i>Example: Sand dunes</i>	<i>Aeolian</i>	<i>Color and shape of sand dunes</i>
1.		
2.		
3.		

- Think about each of the features and aspects you listed above. Focus on one of those aspects and create a question that could be investigated further using astronaut photos and potentially other data. Include an explanation of what methods you would use to go about answering that question. Be as detailed as possible include what specific data/metadata you would want to log from each image observed. (Use additional paper if necessary.)

Feature Aspect	<i>Example: Color and shape of sand dunes</i>	
Question	<i>Is there a relationship between the color and shapes of sand dunes and geographic location?</i>	
Explanation of Research Methods	<i>I would need to look at multiple images of sand dunes in different locations on Earth. I would log the image id#, the location of the image (latitude, longitude, country name and desert name), and log observations of the color of the dunes and also the shape of the dunes.</i>	