



# MARS STUDENT IMAGING PROJECT

## ASU MARS EDUCATION PROGRAM



Name \_\_\_\_\_ Date \_\_\_\_\_

### SURFACE FEATURES ON MARS

1. Name five different types of surface features on Mars:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Write down any details you should think about when choosing a research topic:


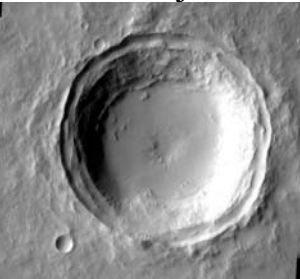
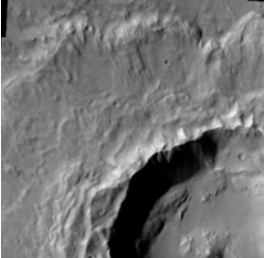

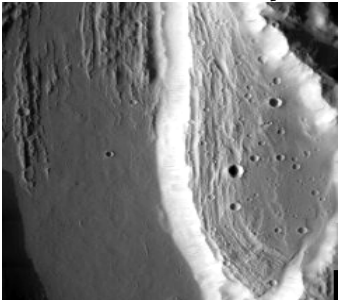
- Projects should focus on \_\_\_\_\_ features visible in THEMIS images.
- Size of features:
- Type of data:
- Studies can be:
- List another usable data set:

For the rest of the slides, take notes on the information and observations of topics and features discussed that are seen in THEMIS visible images. Include sketches if you wish:

### **General Topic: Craters**

General Information about Craters:

## Crater Features/Details:

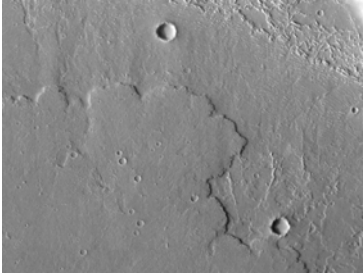
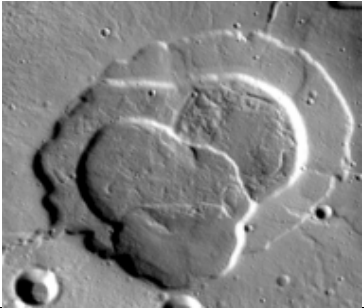
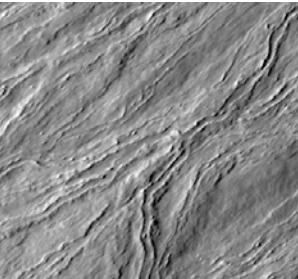
<p>Crater Morphology/Types</p> 	
<p>Crater Ejecta</p> 	
<p>Rampart Craters</p> 	
<p>Crater Modification</p> 	
<p>Crater Density</p> 	

-Other Information about studying craters using THEMIS:

## General Topic: Volcanics

General Information about Volcanoes:

### Volcanic Features/Details:

<p>Lava Flows</p> 	
<p>Calderas</p> 	
<p>Lava Channels/Tubes</p> 	

-Other information about studying volcanoes with THEMIS images:

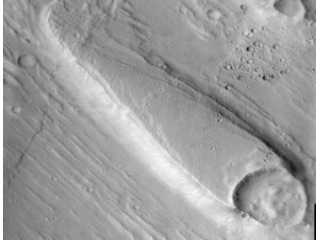
## General Topic: Fluvial/Water-Related Features

General Information about Fluvial Features:

### Fluvial/Water-Related Features/Details:

<p><b>Outflow Channels</b></p> 	
<p><b>Chaos Terrain</b></p> 	

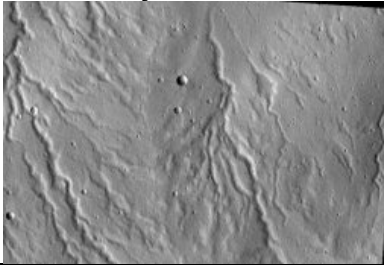
**Streamlined Islands**



**Simple Channels**



**Valley Networks**



**Gullies**

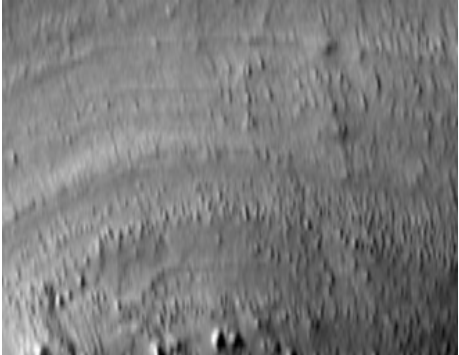
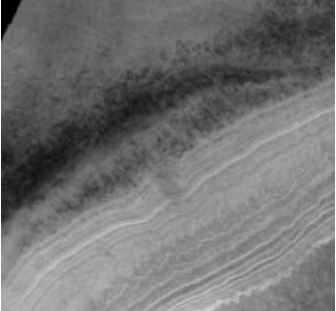


-Other information about studying fluvial/water related features with THEMIS:

## General Topic: Layers

General Information about Layers:

### Layer Features/Details:



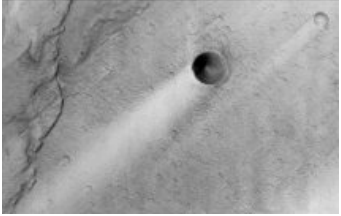
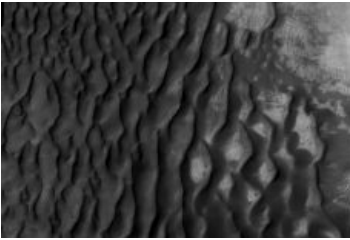
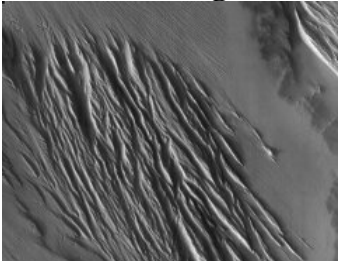
<p>Layer Formation</p> 	
<p>Polar Layered Deposits</p> 	

-Other information about studying layers with THEMIS images:

## General Topic: Wind Features

General Information about Wind Features:

## Wind Features/Details:

<p>Martian Dust</p> 	
<p>Dust Devil Tracks</p> 	
<p>Wind Streaks</p> 	
<p>Sand Dunes</p> 	
<p>Yardangs</p> 	

-Other information about studying wind related features and THEMIS: