



# MARS IMAGE ANALYSIS ACTIVITY



Identify and sketch your favorite geologic features from the THEMIS images. Consider the importance of the context!

## Instructions:

1. Observe the labeled image and materials at your table. Look at the approximate location of where the THEMIS image is located on the MOLA elevation map of Mars. Write down information you think is important about the surrounding area (the context) that may play a role in the formation of the geologic features you are observing in the THEMIS image.
2. Using the *Feature Identification Charts*, look at the labeled features identified on the THEMIS image. List two to three geologic features you find interesting from the image. You can choose to list features that may or may not have been labeled.
3. Sketch and label your favorite geologic feature or combination of features from each THEMIS image.

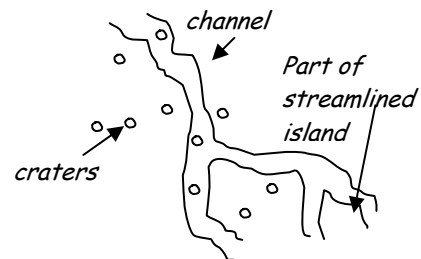
### Image #A - Example

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? near other channels and in the northern hemisphere - low elevation

Name two to three geologic features in this image:

- Channels
- Craters
- Streamlined islands

Sketch and label your favorite feature(s):



### Image #1

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Sketch and label your favorite feature(s):

### **Image #2**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #3**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #4**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #5**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #6**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #7**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #8**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### **Image #9**

What is in the surrounding area (the context) of where this image was taken that may be important for understanding the geologic features that are in this image? \_\_\_\_\_

Name two to three geologic features in this image:

Sketch and label your favorite feature(s):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_