

GANYMEDE



Find each of these features on the globe of Ganymede. Match each to the photo below by filling in latitude and longitude:

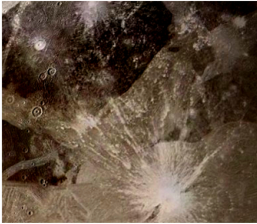
example

Gula crater



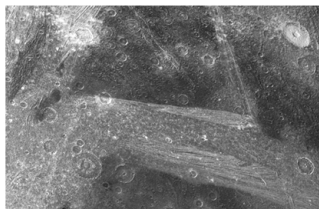
latitude 60 north longitude 12

Tros Crater



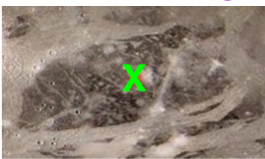
latitude 10n longitude 25

Nineveh Sulcus



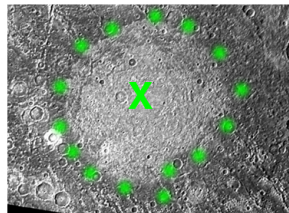
latitude 30n longitude 80

Nicholson Regio



latitude 30s longitude 10

Memphis Facula



latitude 15n longitude 135

To Find Out:

1. Use your measuring tape to discover: How far is it from Tros to Serapis? Tros to Cisti?
2. Now, find a city that is the same distance from your home on Earth. (For example:
the distance from Tros crater to the "X" in Nicholson Regio is about 1300 miles/ 2200 kilometers)

800mi/1350 km 1600mi/2500km

To Think About:

1. Sailors could not easily find their longitude until about the time of the American Revolution. What invention made it possible? **The chronometer (clock)**
2. Latitude and longitude are the two coordinates that determine a specific spot on Earth. How does knowing the location of a place help us create maps?