**EARTH’S HYDROSPHERE**

1. Open Google Earth and find the Mars-Earth Comparison folder.
2. If you are not already there, switch to Google Earth.
3. Maximize the “EARTH” subfolder in the “Hydrosphere” folder.
4. Double click on “The water planet”

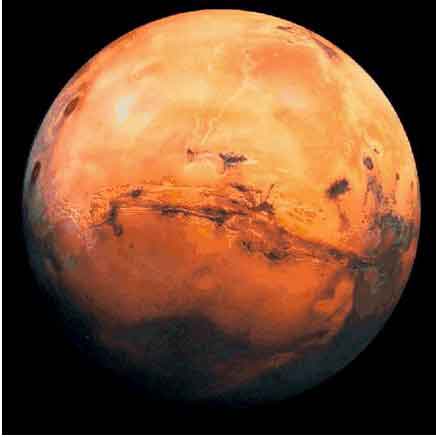
* **How can you tell at first glance that Earth has water?**

1. Double click on “Pacific Ocean”

* **What is one thing you find amazing about the Pacific Ocean?**

1. Double click on “Mississippi River” and “Mississippi River high angle”

* **How does the Mississippi River change the land around it?**
* **Why is studying meandering streams important for people who want to explore Mars?**

**MARS’ HYDROSPHERE**

1. Switch to Google Mars and double-click on the “MARS” subfolder.

* **Can you see any water on the surface of Mars?**

1. Click on “Nanedi Vallis”, “Nanedi Vallis high angle”, and “Nanedi Vallis age”

* **What could have created these sinuous valleys?**
* **Does this remind you of any feature you saw on Earth? Which one?**
* **Can you tell whether this valley is a new or an old feature? What evidence can you use to support your answer?**

1. Double click on “Mars North Pole”

* **What is similar about Mars’ and Earth’s polar regions? What is different?**

1. Double click on “Lauth Crater”

* **How do scientists know that this frozen material is water?**

1. Double click on “Where else can there be water on Mars?

* **What features, detected on images from the Phoenix Lander, are promising to scientists exploring for water on Mars? Why?**