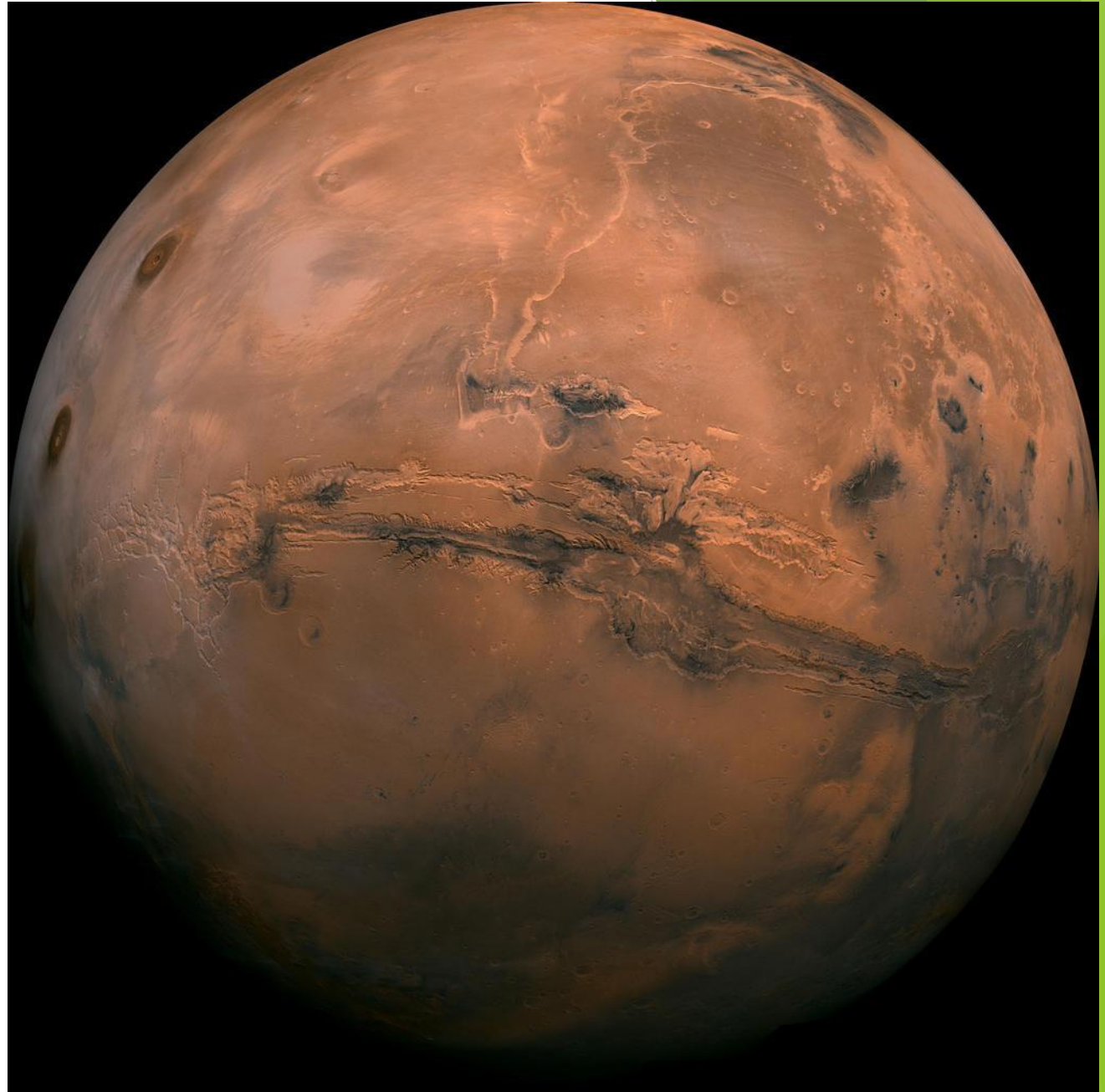


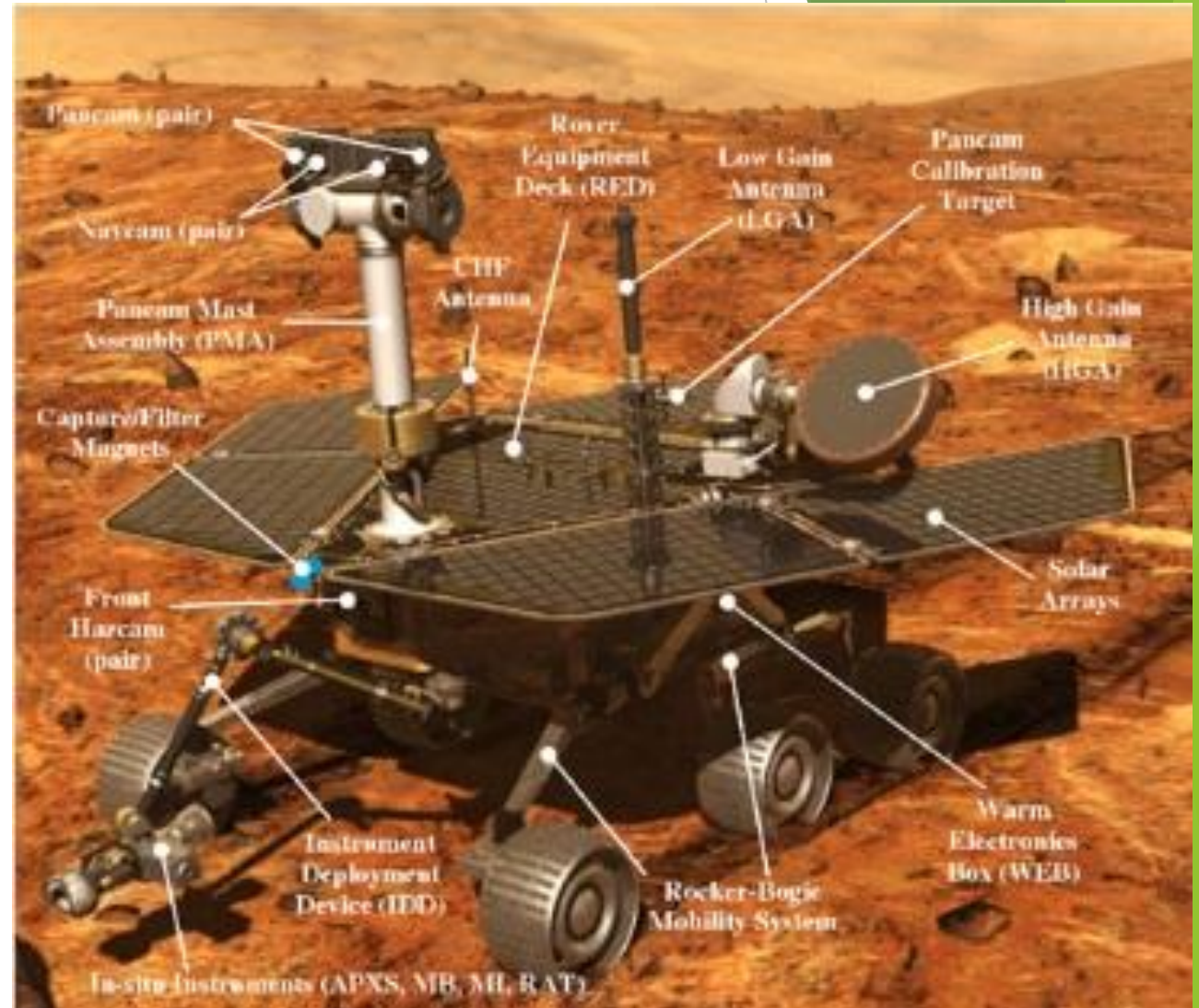
Environmental Geology Case Study 2.1

Search for Life on Mars



Mars Satellites and Rovers

- ▶ Iron oxide minerals found in sediment layers
- ▶ Magnesium sulfate minerals in crater sediment
- ▶ Other minerals typically formed when mineral rich water evaporates



Geologic Processes

- ▶ Cross bedding - sediment deposition formations due to wind/water movement
- ▶ Ripple marks
- ▶ Subsurface water may flow to surface during seasonal warm times

