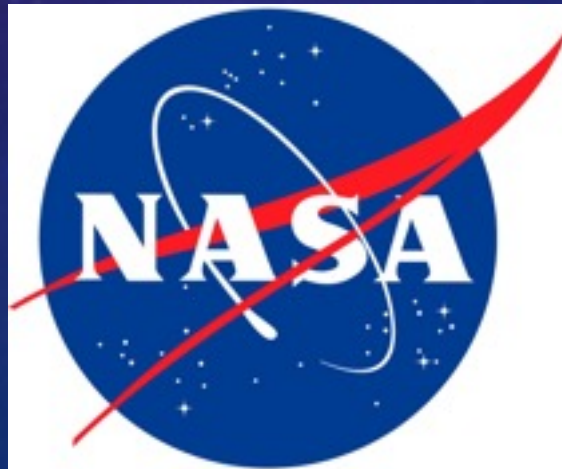


CHALLENGER LEARNING CENTER



WOODSTOCK, ILLINOIS

WHEN STUCK AT HOME WHY NOT EXPLORE SPACE?

- These are some videos and activities for students to work on at home.

NASA SEARCH AND RESCUE COLORING BOOK (CLICK PICTURE BELOW FOR PDF)



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MERCURY

- Sun-scorched Mercury, the smallest planet in our solar system, is only slightly larger than Earth's moon. Like the moon, Mercury has very little atmosphere to stop impacts and it is covered with craters. Mercury's dayside is super-heated by the sun, but at night temperatures drop hundreds of degrees below freezing. Ice may even exist in craters.



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MERCURY

[LINK FOR
INFORMATION
ABOUT
MERCURY](#)



MERCURY TRAVEL BROCHURE

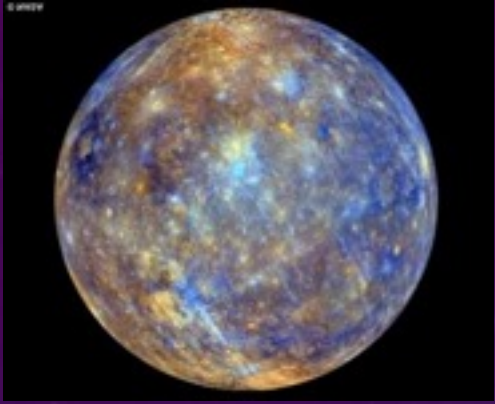
Travel Brochure

- This activity requires students to create a travel brochure highlighting some of the fun sights and activities potential tourists can experience on a vacation to Mercury.

Materials

- Internet or access to text about Mercury
- Paper
- Art supplies
- Magazines (to cut out images)

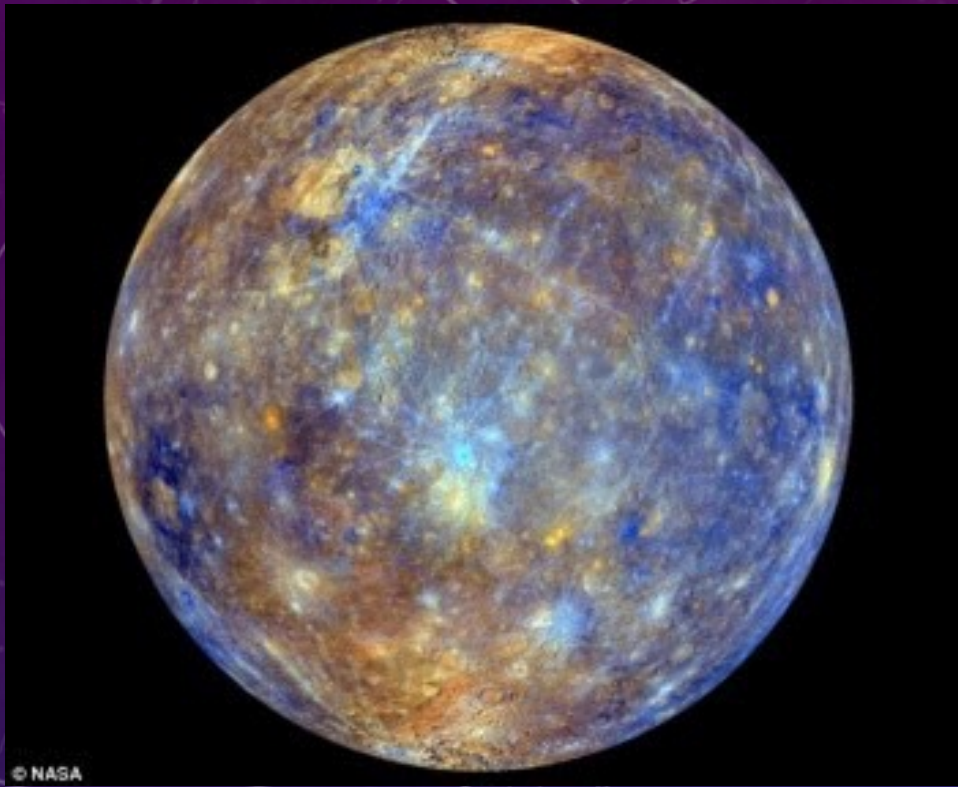




TRAVEL BROCHURE MERCURY

Activity Instructions

- Students should complete some research on Mercury, and then use their knowledge to come up with some facts that would make Mercury a good tourist destination. Of course Mercury is not habitable, but students can use their sense of humor and creativity to 'sell' Mercury. Some ideas:
- Bring clothes for all occasions: Mercury can reach a balmy 800 degrees F during the day and drop to -280 degrees F at night.
- Bring your hiking boots and prepare to visit the Caloris Basin, which is the largest feature on the surface of Mercury and may have been created from a meteorite impact.
- Feel light as a feather as you bounce around Mercury, which does not experience as much gravity as Earth. In fact, you will weigh about 38% of your Earth weight.



MERCURY

TRAVEL BROCHURE.

- While being funny and entertaining, the brochure should include:
- Location of Mercury in the solar system
- Features of the surface
- Information about the atmosphere
- Information about what the planet's composition
- Information about the orbit
- Images of Mercury including distinguishable features

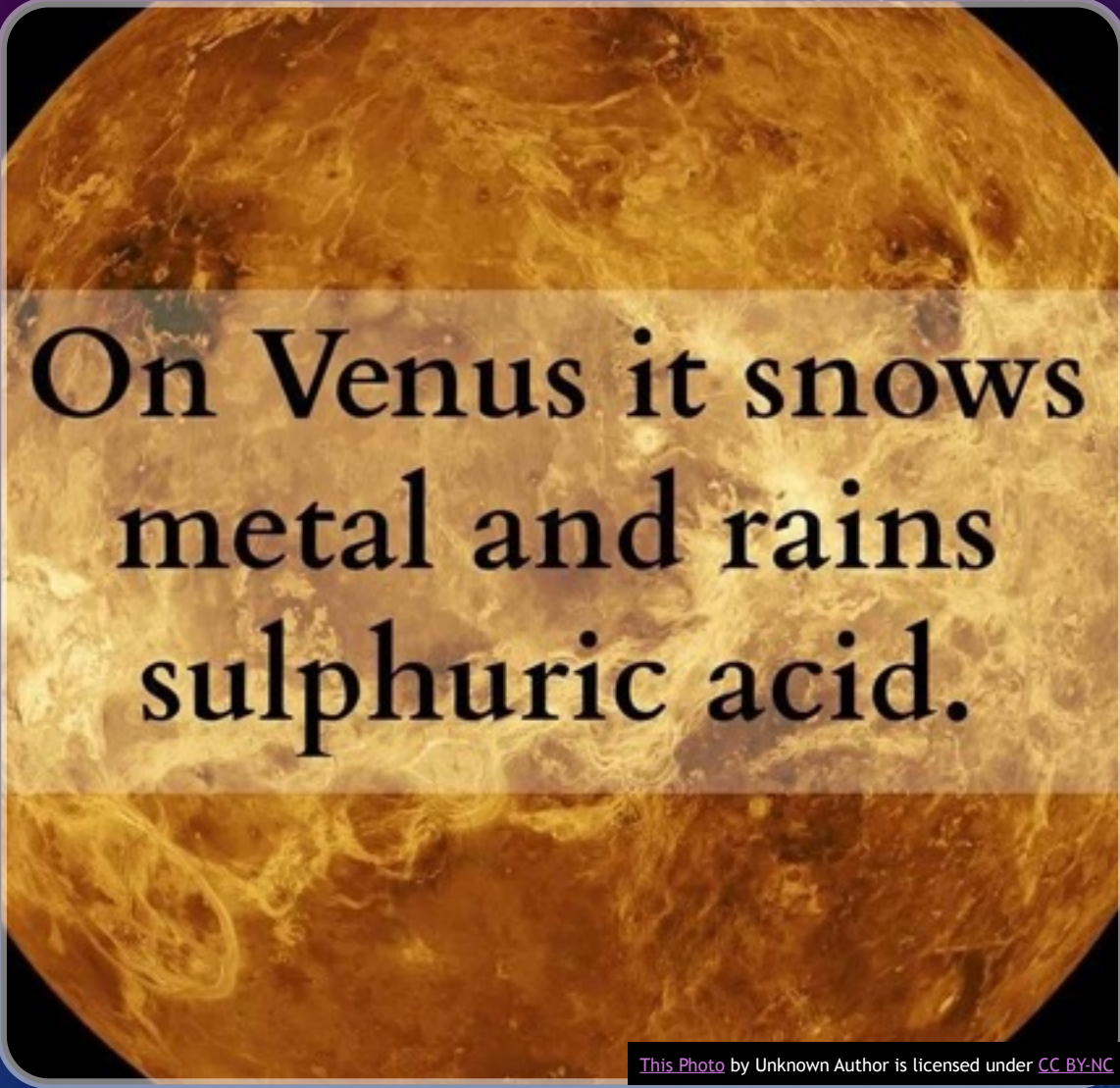


VENUS

[LINK TO LEARN ABOUT VENUS](#)

VENUS: THE BASICS

- Venus is a dim world of intense heat and volcanic activity. Similar in structure and size to Earth, Venus' thick, toxic atmosphere traps heat in a runaway 'greenhouse effect.' The scorched world has temperatures hot enough to melt lead. Glimpses below the clouds reveal volcanoes and deformed mountains. Venus spins slowly in the opposite direction of most planets.



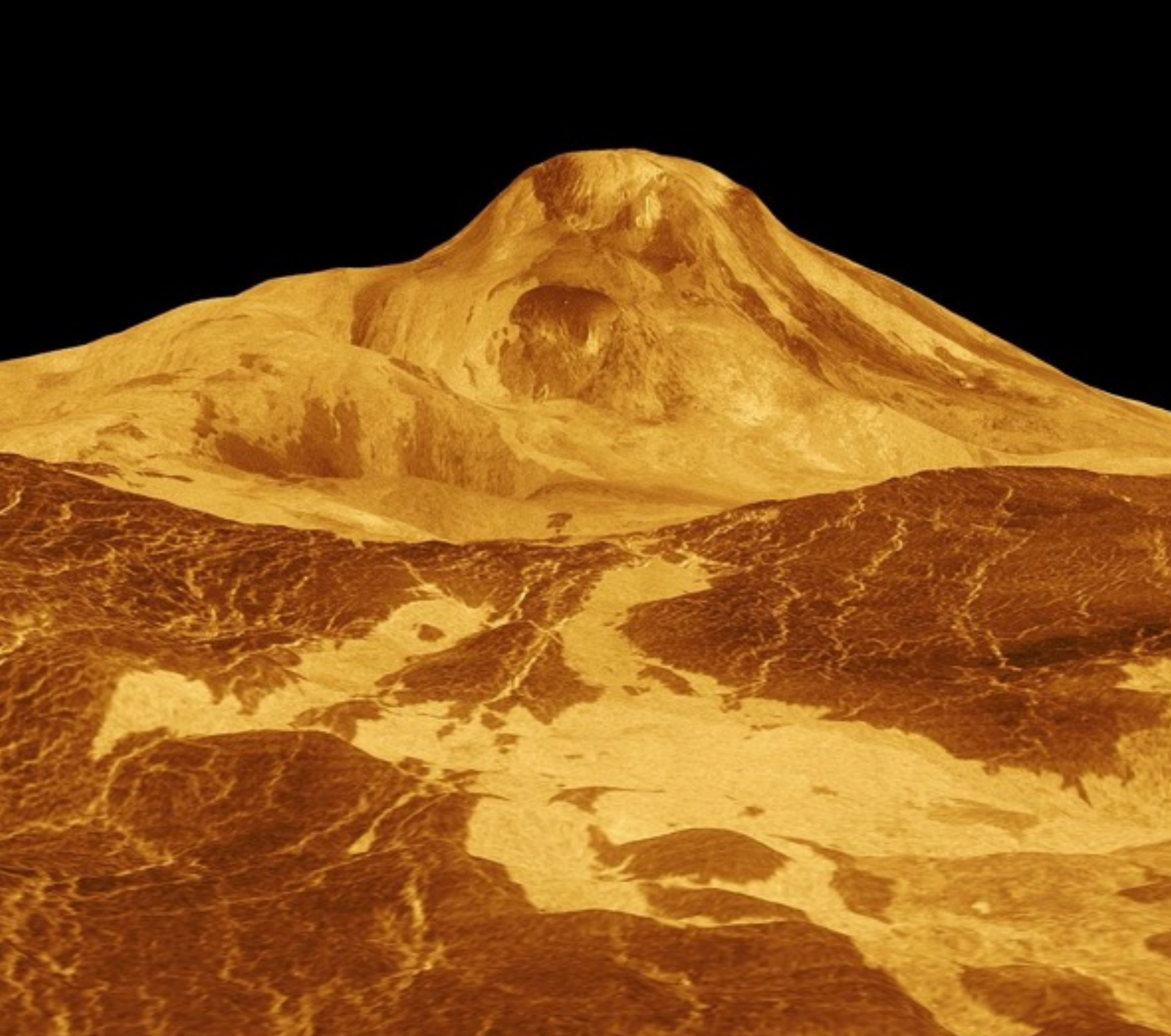
**On Venus it snows
metal and rains
sulphuric acid.**

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VENUS

- Distance from the sun: About 67 million miles, about $\frac{3}{4}$ as far as the Earth is from the sun.
- Year: About 225 Earth days.
- Day: About 243 Earth days.
- Average diameter: About 7,500 miles, almost as large as Earth.
- Surface temperature: 864 degrees Fahrenheit.
- Atmosphere: Carbon dioxide, nitrogen.



VENUS ACTIVITY HEAD TO THE ISS IN ORDER TO STUDY VENUS.

- [Rocket Ride to the International Space Station](#)