



😊 Mercury

- 😊 • Closest planet to the sun
- 😊 • No atmosphere therefore temperature ranges from  $-180^{\circ}\text{C}$  to  $400^{\circ}\text{C}$
- 😊 • Contains craters caused colliding rocks
  - Too close to the sun and therefore is rarely visible in at night
- 😊 • No moons

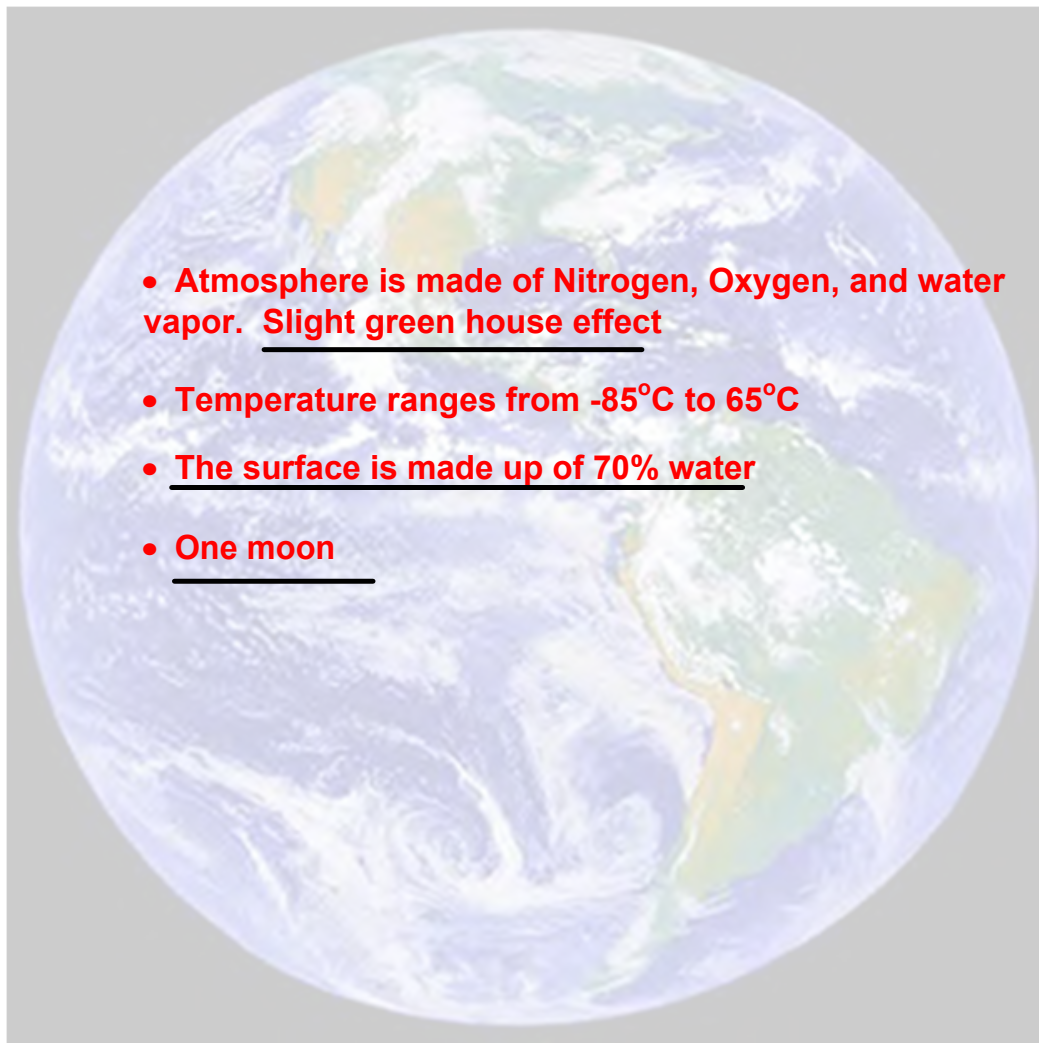
Video (7:18)

# Venus

- Has a thick atmosphere made of Carbon Dioxide, and Nitrogen.
- Hottest planet due to the greenhouse effect
- Only planet that rotates backwards compare to the other planets ←
- Brightest object in the night sky with exception of the sun and moon
- no moons

Video (10:47)

# Planet Earth



- **Atmosphere is made of Nitrogen, Oxygen, and water vapor. Slight green house effect**
- **Temperature ranges from -85°C to 65°C**
- **The surface is made up of 70% water**
- **One moon**

Video (11:53)

# Mars

- Called the "Red Planet" because of rusty soil
- Mars' atmospheric components consist of carbon dioxide, nitrogen and argon
- Explored with space probes
- Once contained glaciers and water
- Two moons

<https://www.youtube.com/watch?v=-08-TFGLcnQ>



National Geographic Inner Planets Venus, Mercury, Earth, Mars Documentary HD 2017 2017

2,107 views

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Why is Venus  
hotter than  
mercury?

Article



46 min



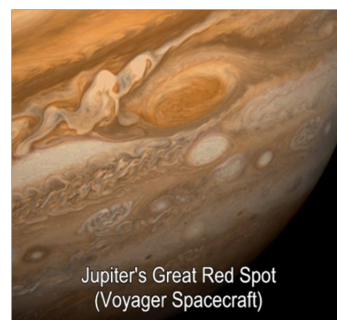
A\_Spin\_Around\_the\_Solar\_System\_The\_Outer\_Planets\_The\_Gas\_Giants

video (4:40)

<https://www.youtube.com/watch?v=dqGKm5RYTj4>



# Jupiter



Jupiter's Great Red Spot  
(Voyager Spacecraft)

- **Largest planet**
- **Has the greatest mass**
- **Can be seen in the night sky**
- **Has a huge hurricane that is known as the "Great Red Spot"**
- **Has approximately 55 moons**

How Have Astronomers Been Able to Study the Surface of Venus.docx