**Venus Notes**

Drawing: (color)



* Venus has phases like our Moon.
* **Venus is always seen near the Sun as a "morning star" or "evening star". (along with Mercury) \*\* TEST\*\***
* Semi-major axis: 0.72 AUs
* Orbital period : 225 days
* **Temperature: 755K – hottest planet \*\*TEST\*\***
* **Earth’s sister planet—because of its size and composition \*\*TEST\*\***
  + Diameter: 9/10ths of the earth
  + Density is 5.25
* Axis tilt = 178ᵒ --- Venus is upside down --- north pole is pointing down.
* No Moons
* Mass: 4/5th of the earth
* Retrograde Motion: Venus is the only planet that rotates "backwards". (243 days for one rotation)
* **Has a sulfuric acid clouds \*\*TEST\*\***
* Venus is named after god of beauty and love---- form a distance she is gorgeous, close up she is a beast.

Music Journal:

Write paragraph on what Venus’s music will sound like a why.

After listening—what does Venus’s music sound like and why?

**4/8/14 --- Venus continued**  
 layers of venus:

Similar to the earth- iron nickel core, rocky mantle, crust.

* **The surface is completely hidden beneath a permanent cloud cover.**

Atmospheric composition:

Carbon dioxide: 97%

Nitrogen: 3%

Atmospheric pressure = 90x atmosphere of Earth

Total amount of CO2 is about the same on Venus as it is on Earth

probes: Mariner 2, 5, 10 and Magellan

Terrain on Venus:

Ishtar Terra

Aphrodite Terra

Mona Lisa Crater

Mead Crater—largest Crater on Venus

**80% of venus is flat**

Hottest planet due to green house gases

Runaway greenhouse effect—traps heat and warms up—heat comes from sun.

No plate tectonics

No magnetic field