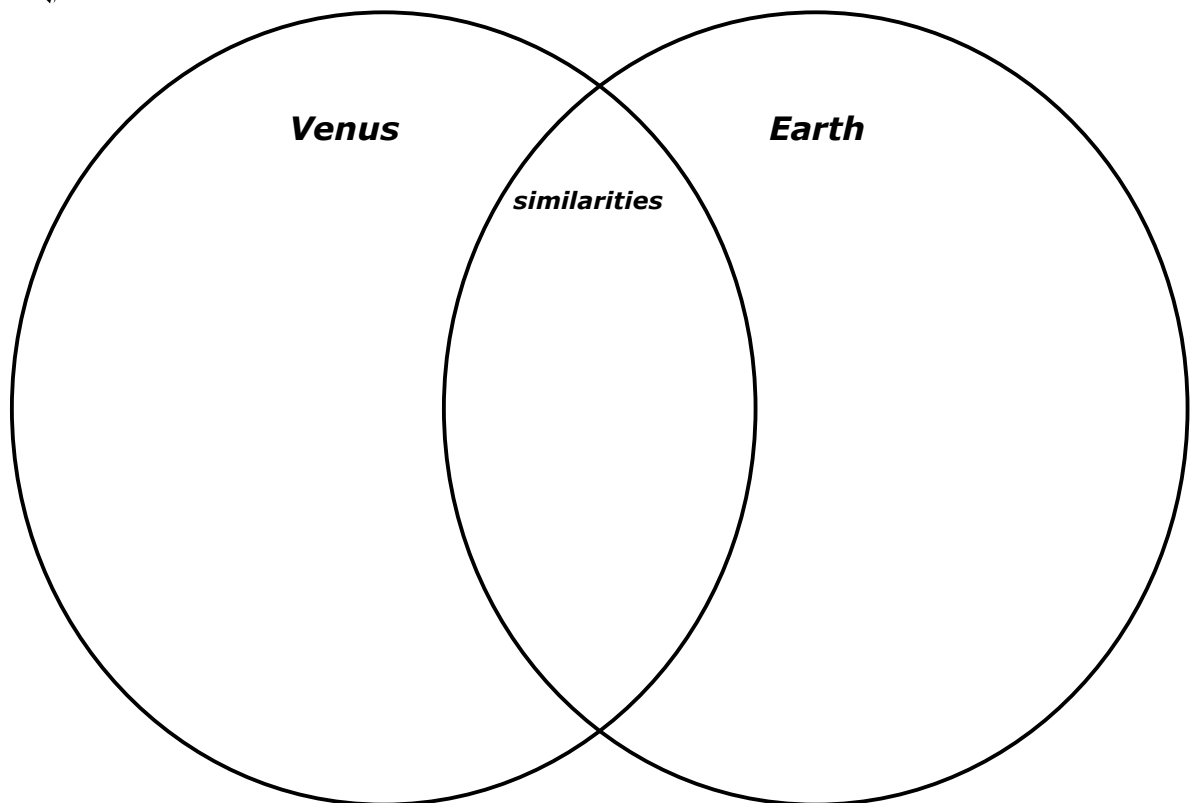


## Station # 2 Venus

Number of steps from the Mercury sign to the Venus sign: \_\_\_\_\_



As you read the sign at this station think about ways that the planet Venus and the planet Earth are alike and ways that they are different. Record your notes in the Venn diagram provided:



### Round Robin:



In a group of four, each person will take a turn sharing one similarity or difference between Venus and Earth until all ideas have been shared.

If you think your group members had interesting information you would like to add to your Venn diagram, please do so.

Count how many steps you take on your walk from the Venus sign to the Earth sign and record that number at the top of the Earth Traveler's Log page.



## Venus Station #2

### **Venus, She's...**

- ✓ **Hot** – Her greenhouse effect makes her the hottest planet. Temperatures reach 900° F.
- ✓ **Mysterious** – Her veil of sulfuric acid clouds keeps her surface hidden from our view.
- ✓ **Breathtaking** – Her air pressure is a crushing 90 times greater than Earth's.
- ✓ **Dry** – She has no water. Instead, it rains sulfuric acid.
- ✓ **Bright** – Her clouds reflect more sunlight than any other planet.
- ✓ **Contrary** – She rotates opposite of the other planets. On Venus, the Sun rises in the west and sets in the east!
- ✓ **a Lady** – All her features except one, Mt. Maxwell, are named for women.
- ✓ **a Star** – Earth's morning and evening "star", she is the brightest object in our sky except for our Sun and Moon.
- ✓ **She's Breezy** – On some parts of her planet, winds blow steadily at 250 MPH.
- ✓ **She's a Hostess** – The United States and the Soviet Union have sent numerous spacecraft to Venus. Some flew by the planet, some orbited it, some hard-landed, and a few soft-landed on its surface.
- ✓ **She Rocks** – Over 100,000 volcanoes are scattered on her surface, more than any other planet.

**Venus' Interior** – Similar to Earth's, it is composed of a metallic core, a rocky mantle, and rocky crust. However, unlike Earth, Venus shows no sign of plate tectonics. We do not know whether its core is solid or liquid. Venus does not have a magnetic field.

**Standing on Venus**, you would experience the optical illusion of being in a crater. Her dense atmosphere bends the light, making the ground seem to curve upward. The crushing atmosphere is so thick; you could almost swim through it. One day would last 117 Earth days.

