**Venus Versus Earth—A Comparison**

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| **Characteristic** | **Venus** | **Earth** |
| **Image** | [ANd9GcTF38-DkEv2xTY3ADf5_I5-8O4-HbXxj018O2drwLbl90XV1J2u](http://www.google.com/url?sa=i&rct=j&q=venus+visible+light&source=images&cd=&cad=rja&docid=5sxSpEUZYD-QTM&tbnid=WAy4IWaJIammDM:&ved=0CAUQjRw&url=http%3A%2F%2Fstartswithabang.com%2F%3Fp%3D1606&ei=KrVIUbeMOYiTiQLV7IC4Aw&bvm=bv.44011176,d.cGE&psig=AFQjCNGYl18q-em1QjJati7luSEIkgks-Q&ust=1363805803836147) | Earth-Africa |
| **1. order from sun** | 2nd planet from the sun | 3rd planet from the sun |
| **2. average distance from Sun** (miles) | 67,000,000 miles  (about 3/4 earth’s distance) | 93,000,000 miles  (93 million miles) |
| Image result for image showing diameter of sphere**3. average diameter**  (miles) | 7521 miles  (just a little smaller than earth’s diameter) | 7918 miles |
| **4. shape** | Sphere | sphere |
| **5. surface gravity at equator**  (1 gravity = earth’s) | 0.9 gravity  (slightly less than earth’s) | 1 gravity |
| **6. day length—**  **1 spin on axis** (Earth days) | 243 days | 1 day |
| **7. temperature at surface** (°F)  (note: water freezes at 32°F, boils at 212°F) | 864°F (same day and night)  (note: lead melts at 621°F) | -128°F (night, poles) to  131°F (day, equator)  [Average 57°F] |
| **8. surface broken into large chunks (plates) which move?** | No | Yes |
| **9. layer of gases (atmosphere) surrounds the object?** | Yes | Yes |
| **10. composition of atmosphere—main gases**  (% by volume) | 96.5% carbon dioxide (CO2),  3.4% nitrogen (N2),  0.015% sulfur dioxide (SO2),  0.007% argon (Ar),  0.002% water vapor (H2Ovapor) | 78% nitrogen (N2),  21% oxygen (O2),  0.9% argon (Ar),  0.04% carbon dioxide (CO2),  0 to 3% water vapor (H2Ovapor) |
| **11. weight of atmosphere on every square inch of surface**  1 inch  1 inch | 1,334 pounds  (per square inch) | 14.7 pounds  (per square inch) |
| **12. water (H2O) exists in liquid form?** | No | Yes |
| **13. water (H2O) exists in solid form (ice)?** | No | Yes |
| **14. evidence of life detected?** | No | Yes |