AstroVenus

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Latex markup at
https://en.wikiversity.org/wiki/special:permalink/1864563

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Contents

1 Quiz

1. When imaged in visible light Venus appears like _____ rather than _____.[1]
    A. an asteroid ... a terrestrial planet
    B. a gas dwarf ... a rocky planet
    C. Mars ... Venus
    D. Venus ... Mars

2. The clouds on Venus are made of[2]
    A. water
    B. steam
    C. carbon dioxide
    D. nitrogen
    E. sulfuric acid

3. The geology of Venus is predominantly[3]
    A. Basalt
    B. Andesite
    C. Picrite

4. Basalt is what type of rock?[4]
    A. Igneous
    B. Sedimentary
    C. Metamorphic

5. The rocks on Venus are mostly[5]
    A. from volcanoes
    B. from the seabed of a now non-existent ocean
    C. associated with plate tectonics

6. The rocky surface of the planet Venus can be detected when Venus is observed using infrared astronomy.[6]
    A. TRUE
    B. FALSE

7. When Venus is viewed in the ultraviolet, its color appears brownish.[7]
    A. TRUE
    B. FALSE

8. Moldavite is a mineral that may be associated with what radiation astronomy phenomenon?[8]
    A. lightening strikes
    B. meteorite impacts and fireballs
    C. evidence that Venus was once a comet
    D. predicting when currently dormant volcanoes will erupt

9. According to Wikipedia, a "mineral" is a naturally occurring solid that[9]
    A. is heterogeneous
    B. has useful value

C. is by a chemical formula

D. contains carbon

E. does not contain carbon

10. Which types of radiation astronomy directly observe the rocky-object surface of Venus?[10]

A. X-ray astronomy

B. ultraviolet astronomy

C. visual astronomy

D. infrared astronomy

E. radio astronomy

11. One reason that Venus's atmosphere has more carbon dioxide than Earth's is that[11]

A. the mass of Venus is slightly higher

B. Venus was too hot for oceans that could absorb the carbon dioxide

C. Venus is exposed to a stronger solar wind strips away the other gasses

D. Venus has a lower magnetic field that disassociates carbon dioxide

12. The surface temperature of Venus is about[12]

A. 850 Fahrenheit (730 Kelvin or 230 Celsius)

B. 450 Fahrenheit (500 Kelvin or 66 Celsius)

C. 150 Fahrenheit (340 Kelvin or 66 Celsius)

13. The Venetian atmosphere consists of mostly carbon dioxide and[13]

A. oxygen

B. helium

C. hydrogen

D. nitrogen

E. sulfuric acid

2 Attribution

Notes

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