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Crash Course - ASTRONOMY 47 Episode Series Bundle

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Crash Course Astronomy #14: Venus

Name: _____ Date: _____

You can access the video here → <https://youtu.be/ZFUgy3crCYY?si=uxrO9qV9b7od3pir>

1. Venus is the _____ rock from the Sun.
2. Venus can be seen undergoing _____ through a telescope, just like the Moon and Mercury.
3. When Venus passes directly across the Sun's face, the event is called a _____.
4. Venus is so bright because it's completely covered in a thick _____ layer.
5. Venus has a surface temperature of about _____ ° Celsius, hot enough to melt lead.
6. The atmosphere of Venus is composed almost entirely of _____.
7. Venus experienced a _____ effect, leading to extreme atmospheric conditions.
8. The clouds on Venus are composed of _____.
9. Despite being farther from the Sun, _____ is cooler than Venus.
10. Venus rotates so slowly that one day on Venus is about _____ Earth days long.
11. Venus exhibits _____ rotation, meaning it spins backwards.
12. Venus has no _____, possibly due to solar gravitational interference or never having one.
13. The surface of Venus is relatively young and may have been resurfaced by extensive _____ activity.
14. Large, flat volcanic structures on Venus are called _____.
15. Surface features on Venus are named after _____ or _____ from various cultures.

Crash Course Astronomy #14: Venus KEY

1. Venus is the **second** rock from the Sun.
2. Venus can be seen undergoing **phases** through a telescope, just like the Moon and Mercury.
3. When Venus passes directly across the Sun's face, the event is called a **transit**.
4. Venus is so bright because it's completely covered in a thick **cloud** layer.
5. Venus has a surface temperature of about **460°** Celsius, hot enough to melt lead.
6. The atmosphere of Venus is composed almost entirely of **carbon dioxide**.
7. Venus experienced a **runaway greenhouse** effect, leading to extreme atmospheric conditions.
8. The clouds on Venus are composed of **sulfuric acid**.
9. Despite being farther from the Sun, **Mercury** is cooler than Venus.
10. Venus rotates so slowly that one day on Venus is about **243** Earth days long.
11. Venus exhibits **retrograde** rotation, meaning it spins backwards.
12. Venus has no **moon**, possibly due to solar gravitational interference or never having one.
13. The surface of Venus is relatively young and may have been resurfaced by extensive **volcanic** activity.
14. Large, flat volcanic structures on Venus are called **pancake domes**.
15. Surface features on Venus are named after **women** or **goddesses** from various cultures.

15 Questions

Answer Key Included

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