

UPGRADE to the Bundle

Crash Course - ASTRONOMY

47 Episode Series Bundle

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Crash Course Astronomy #46: Everything, The Universe and Life

Name: _____ Date: _____

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1. The discovery of _____ has become one of the most exciting fields in astronomy today.
2. Most known exoplanets are much larger than Earth and often have thick _____.
3. One important indicator of biological activity in a planet's atmosphere is the presence of _____.
4. The James Webb Space Telescope is designed to observe the universe in the _____ part of the spectrum.
5. Nature seems to favor _____ systems, as most stars are now believed to have planets.
6. The early appearance of life on Earth suggests that the origin of life may be relatively _____.
7. SETI stands for the _____ for Extraterrestrial Intelligence.
8. Radio waves are a good tool for interstellar communication because they are easy to _____ and can travel far.
9. For most of Earth's history, the most advanced life forms were simple, like _____.
10. Some stars have systems so compact that multiple planets can fit inside the orbit of _____.
11. Astronomers are constantly observing the sky, yet no confirmed _____ sightings have been reported by them.
12. The idea of detecting alien signals relies on the assumption that extraterrestrial civilizations are more _____ than we are.
13. SETI scientists believe that if any aliens are broadcasting, we may detect their signal in the next _____ years.
14. Astronomy was once solely in the realm of religion and philosophy, but now it relies on scientific _____.
15. As we explore and find answers, we often uncover even more _____ to investigate.

Crash Course Astronomy #46: Everything, The Universe and Life KEY

1. The discovery of **exoplanets** has become one of the most exciting fields in astronomy today.
2. Most known exoplanets are much larger than Earth and often have thick **atmospheres**.
3. One important indicator of biological activity in a planet's atmosphere is the presence of **oxygen**.
4. The James Webb Space Telescope is designed to observe the universe in the **infrared** part of the spectrum.
5. Nature seems to favor **planetary** systems, as most stars are now believed to have planets.
6. The early appearance of life on Earth suggests that the origin of life may be relatively **easy**.
7. SETI stands for the **Search** for Extraterrestrial Intelligence.
8. Radio waves are a good tool for interstellar communication because they are easy to **make** and can travel far.
9. For most of Earth's history, the most advanced life forms were simple, like **algae**.
10. Some stars have systems so compact that multiple planets can fit inside the orbit of **Mercury**.
11. Astronomers are constantly observing the sky, yet no confirmed **UFO** sightings have been reported by them.
12. The idea of detecting alien signals relies on the assumption that extraterrestrial civilizations are more **advanced** than we are.
13. SETI scientists believe that if any aliens are broadcasting, we may detect their signal in the next **20** years.
14. Astronomy was once solely in the realm of religion and philosophy, but now it relies on scientific **observations**.
15. As we explore and find answers, we often uncover even more **questions** to investigate.

15 Questions

Answer Key Included

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