

Internet Culture and Cosmic Connections

Internet Culture · Answer Key · 20 Questions

1. The popular internet meme 'This is Fine' is often associated with a dog in a room engulfed in flames. Which celestial body is known for its red hue, similar to the color associated with fire?

- A) Venus
- B) Mars**
- C) Jupiter
- D) Saturn

2. The term 'deep dive' is commonly used online to describe in-depth research. Which astronomical body is the largest and deepest known ocean in the solar system, potentially holding more water than all of Earth's oceans combined?

- A) Europa (moon of Jupiter)**
- B) Titan (moon of Saturn)
- C) Ganymede (moon of Jupiter)
- D) Enceladus (moon of Saturn)

3. The internet phenomenon of 'going viral' is about rapid spread. Which planet in our solar system is known for having the fastest winds, reaching speeds over 600 km/h (370 mph)?

- A) Earth
- B) Neptune**
- C) Mars
- D) Uranus

4. Online communities often celebrate 'milestones' with fanfare. Which dwarf planet is the furthest object in the solar system from which we have directly sampled material (via the New Horizons mission)?

- A) Ceres
- B) Eris
- C) Pluto**
- D) Makemake

5. The concept of 'uploading' data is fundamental to the internet. Which planet's atmosphere is so dense that it's sometimes referred to as a 'super-rotating atmosphere', making it difficult to 'upload' observational data without interference?

A) Mercury

B) Venus

C) Mars

D) Jupiter

6. The 'dark web' is a part of the internet that requires special software to access. Which celestial body is known for its extremely dark surface, absorbing over 90% of the light that falls on it?

A) Ganymede

B) Io

C) Charon

D) Haumea

7. Internet 'trends' can change rapidly. Which planet experiences the most extreme temperature variations between its day and night sides due to its lack of significant atmosphere?

A) Venus

B) Mars

C) Mercury

D) Jupiter

8. The term 'cloud computing' relies on the idea of remote storage. Which gas giant planet is named after the Roman king of the gods and is the largest planet in our solar system, containing more than twice the mass of all other planets combined?

A) Saturn

B) Uranus

C) Neptune

D) Jupiter

9. Online forums are spaces for discussion. Which moon of Saturn is known for its geysers that erupt water ice and vapor into space, making it a prime target for astrobiological research?

A) Titan

B) Europa

C) Enceladus

D) Triton

10. The concept of 'streaming' media is ubiquitous online. Which exoplanet, detected by the Kepler space telescope, is known for its atmosphere containing high levels of potassium and sodium, which can influence its observed color and spectral signature?

- A) WASP-12b
- B) HD 189733b**
- C) Kepler-7b
- D) TrES-4b

11. Internet 'bandwidth' refers to data transfer capacity. Which planet has the most extensive and complex ring system in our solar system, which can be observed with even modest telescopes?

- A) Jupiter
- B) Uranus
- C) Neptune
- D) Saturn**

12. The term 'ping' in internet communication measures latency. Which celestial body is the most volcanically active in the solar system, with hundreds of active volcanoes spewing sulfurous gases?

- A) Mars
- B) Io (moon of Jupiter)**
- C) Venus
- D) Titan (moon of Saturn)

13. Social media platforms often use 'hashtags' to categorize content. The name of which element, crucial for life as we know it, is derived from the Greek word 'hydor' meaning 'water', a substance abundant on Earth and potentially elsewhere in the universe?

- A) Oxygen
- B) Carbon
- C) Hydrogen**
- D) Nitrogen

14. The concept of 'cookies' is used for tracking user activity online. Which planet, the second-largest in our solar system, is known for its prominent bands and the Great Red Spot, a persistent storm larger than Earth?

- A) Saturn
- B) Uranus
- C) Neptune
- D) Jupiter**

15. Online 'forums' are virtual meeting places. Which dwarf planet is located in the asteroid belt and is the largest object in that region, making it a focus of study for early solar system formation?

- A) Pluto
- B) Eris
- C) Ceres**
- D) Makemake

16. The 'internet of things' connects everyday objects. Which planet has the highest surface temperature of any planet in our solar system, reaching up to 462°C (864°F) due to a runaway greenhouse effect?

- A) Mercury
- B) Mars
- C) Venus**
- D) Earth

17. The term 'firewall' protects networks. Which large, icy moon of Neptune is known for its retrograde orbit, suggesting it was captured rather than formed with Neptune, and for its geysers of nitrogen gas?

- A) Io
- B) Europa
- C) Enceladus
- D) Triton**

18. Online 'searches' are fundamental for information retrieval. The search for extraterrestrial intelligence (SETI) often focuses on radio signals. Which star system, relatively close to our Sun, is the target of ongoing observation for potential biosignatures in its planets' atmospheres?

- A) Alpha Centauri
- B) Proxima Centauri
- C) Trappist-1**
- D) Sirius

19. The concept of 'backups' is crucial for data safety. Which planet's atmosphere is composed primarily of hydrogen and helium, with trace amounts of methane, giving it its distinctive blue color?

- A) Jupiter
- B) Saturn
- C) Uranus
- D) Neptune**

20. Internet 'browsers' allow access to the web. Which planet has the most extreme axial tilt of any planet in the solar system, causing it to rotate on its side?

- A) Mars
- B) Venus
- C) Uranus**
- D) Neptune