

Cosmic Cybersecurity Fundamentals

Cybersecurity · Answer Key · 10 Questions

1. Which planet in our solar system is the only one known to be entirely inhabited by robots, which require secure communication links from Earth?

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

2. To prevent unauthorized access to data transmitted from the International Space Station, what must agencies use to protect their information?

- A) Encryption**
- B) Physical padlocks
- C) Wooden doors
- D) Paper envelopes

3. What is the name of the malicious software type designed to hold data hostage, similar to how an asteroid might block a path?

- A) Ransomware**
- B) Stardust
- C) Orbit-ware
- D) Gravity-mal

4. When communicating with satellites, what process verifies that the signal is coming from an authorized command center rather than an impostor?

- A) Authentication**
- B) Navigation
- C) Observation
- D) Calculation

5. Just as a telescope needs a lens cap for protection, what common security practice requires users to enter two forms of identification to access sensitive space mission data?

- A) Multi-factor authentication**
- B) Double vision
- C) Dual telescopes
- D) Binary star login

6. What represents a 'backdoor' in a computer system, similar to a hidden crater on a moon used for secret access?

A) An unauthorized access point

- B) A solar panel
- C) A lunar rover
- D) A radio dish

7. What is the primary purpose of a firewall in a network, similar to a shield protecting a spacecraft from space debris?

A) To block unauthorized traffic

- B) To measure stars
- C) To map galaxies
- D) To cool down processors

8. What term describes a computer program that secretly spreads from one system to another, much like how a comet travels through the solar system?

A) Computer Worm

- B) Space Junk
- C) Meteorite
- D) Nebula

9. To ensure data integrity, what must researchers do to confirm that information sent from a telescope has not been altered by interference?

A) Verify the data

- B) Delete the data
- C) Hide the data
- D) Ignore the data

10. Which security concept ensures that only authorized scientists can view confidential data from deep space missions?

A) Confidentiality

- B) Public broadcast
- C) Universal access
- D) Solar radiation