



---

## Asteroid Apophis, known as the 'God of Destruction,' is set to come dangerously close to Earth in 2029, potentially encountering a few small satellites

### Description

In about five years, an asteroid named Apophis will pass close to Earth, becoming visible without needing a telescope. NASA plans to send their spacecraft to meet the asteroid on April 13, 2029. A team from Julius-Maximilians-Universität Würzburg has come up with three ideas for satellites to study Apophis during this unique event. This is important because such close encounters with large asteroids are rare. Apophis, discovered in 2004, was previously considered a potential threat due to its size and trajectory. However, recent observations show that it will not collide with Earth for at least 100 years. The upcoming rendezvous will provide valuable scientific data about the asteroid and the solar system. The team is considering different satellite concepts for this mission, which could also pave the way for future asteroid studies. The project will continue until 2025, exploring possibilities for further space missions.

**Warning:** Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

**Warning:** Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

**Warning:** Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

**Warning:** Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

**Warning:** Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

**Warning:** Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

---



## Vocabulary List:

1. **Asteroid** // (noun): A rocky celestial body that orbits the sun.
2. **Telescope** // (noun): An optical instrument used for viewing distant objects.
3. **Satellite** // (noun): An object that orbits a larger celestial body.
4. **Encounter** // (noun): A meeting or unexpected meeting with someone or something.
5. **Rendezvous** // (noun): A meeting at an agreed time and place.
6. **Trajectory** // (noun): The path followed by a projectile or an object moving under the action of given forces.

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. What term is used to describe the moment a rocket leaves the ground?  
Option: Launch  
Option: Orbit  
Option: Detour  
Option: Cruise
2. Who is a person trained to travel and work in space?  
Option: Pilot  
Option: Astronomer  
Option: Physicist  
Option: Astronaut
3. What term is used to describe a meeting of two spacecraft in orbit?  
Option: Collision  
Option: Rendezvous  
Option: Blastoff  
Option: Detour
4. What word is used to describe a meeting or incident especially a challenging one?  
Option: Retreat  
Option: Escape  
Option: Catch  
Option: Encounter
5. What do we call the emission of energy in the form of waves or particles?  
Option: Illumination



- Option: Conduction
- Option: Radiation
- Option: Attraction

6. What term refers to the people who held a job or position before the current one?

- Option: Heirs
- Option: Inheritors
- Option: Predecessors
- Option: Successors

7. What term describes something that can be seen or is obvious?

- Option: Obstructed
- Option: Hidden
- Option: Transparent
- Option: Visible

8. What word means to expect or look ahead to something with foresight?

- Option: Hesitated
- Option: Anticipated
- Option: Delayed
- Option: Postponed

9. What term refers to disturbances or interruptions in a process or event?

- Option: Enhancements
- Option: Refinements
- Option: Corrections
- Option: Disruptions

10. Which term means without any imperfections or defects?

- Option: Perfect
- Option: Damaged
- Option: Incomplete
- Option: Flawless

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. A rocket \_\_\_\_\_ helps launch a spacecraft into space.

12. The discovery of water on Mars caused a \_\_\_\_\_ in the scientific community.

13. When a mistake is made it is important to \_\_\_\_\_ it as soon as possible.



14. During the storm the region experienced frequent power \_\_\_\_\_ .
15. Certain materials are attracted to magnets due to their \_\_\_\_\_ properties.
16. The new software update \_\_\_\_\_ the performance of the device.
17. His \_\_\_\_\_ towards others made it difficult for him to maintain friendships.
18. The study of tiny \_\_\_\_\_ is essential in understanding the structure of matter.
19. The controversial decision by the government resulted in a severe \_\_\_\_\_ .
20. An \_\_\_\_\_ is a small rocky body that orbits the Sun.
21. A \_\_\_\_\_ is an instrument used to view distant objects in space.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

22. A man-made object placed in orbit around the Earth to collect information.
23. A mistake or error in judgment that can lead to negative consequences.
24. To move troops or equipment into position for military action.
25. Showing approval or support towards a particular outcome or opinion.
26. The path followed by a projectile flying or an object moving under the action of forces.
27. Information or gossip that is passed around but not confirmed as true.
28. The highest point or maximum value of something.
29. To bring into effective action; utilize.
30. To incite or provoke strong reactions or emotions.
31. To prevent something from continuing by causing problems or disturbances.

**Answer**

- Multiple Choice:** 1. Launch 2. Astronaut 3. Rendezvous 4. Encounter 5. Radiation 6. Predecessors 7. Visible 8. Anticipated



---

9. Disruptions 10. Flawless

**Gap-Fill:** 11. Booster 12. Stir 13. Rectify 14. Blackouts 15. Magnetic 16. Enhanced 17. Insensitivity 18. Particles 19. Backlash 20. Asteroid 21. Telescope

**Matching sentence:** 1. Satellite 2. Misstep 3. Deploy 4. Favorable 5. Trajectory 6. Rumored 7. Peak 8. Deploy 9. Stir 10. Disrupt

## CATEGORY

1. Sci/Tech - LEVEL2

### Date Created

2024/05/11

### Author

aimeeyoung99

ESL-NEWS.COM