

Historic Satellite Video Call from Welsh Mountain

Description

A man holding a phone in West Wales with mountains and a river.

Vodafone

Vodafone has made a video call using a satellite phone. This is the first time in the UK. The call was from a mountain in Wales.

Vodafone wants to add satellite connections to its phone service by the end of this year. This will help areas without mobile signals.

But, experts say many satellites need to be launched for this to work well.

There is a problem. Astronomers say too many satellites make it hard to watch space. They see bright lines in their images.

They worry it will be harder to find dangerous asteroids that can hit Earth.

Vocabulary List:

1. **Satellite** /'sæt.əl.aɪt/ (noun): An object that orbits a larger body such as a planet or moon often used for communication.
2. **Connection** /kə'nek.ʃən/ (noun): A relationship or link between two or more things often referring to telecommunications.
3. **Astronomers** /ə'strənə.ə.mərz/ (noun): Scientists who study celestial bodies and the universe.
4. **Launch** /lɔ:ntʃ/ (verb): To send a spacecraft or satellite into orbit; to provide a service or product for the first time.
5. **Images** /'ɪm.ɪdʒ.ɪz/ (noun): Visual representations of something often captured through photography or imaging technology.
6. **Asteroids** /'æs.tərɔɪdz/ (noun): Small rocky bodies that orbit the sun primarily found in the asteroid belt between Mars and Jupiter.

Comprehension Questions

Multiple Choice

1. Where did Vodafone make a video call using a satellite phone for the first time in the UK?

- Option: A) Manchester
- Option: B) Birmingham
- Option: C) Wales
- Option: D) London

2. What is Vodafone planning to add to its phone service by the end of this year?

- Option: A) Faster internet speed
- Option: B) Satellite connections
- Option: C) Unlimited data
- Option: D) Virtual reality features

3. Why do experts say many satellites need to be launched for Vodafone's satellite connections to work well?

- Option: A) To improve TV signals
- Option: B) To enhance global mapping
- Option: C) To help areas without mobile signals
- Option: D) To boost internet speed

4. What problem do astronomers mention regarding the increasing number of satellites?

- Option: A) Interference with radio signals
- Option: B) Difficulty in predicting weather patterns
- Option: C) Distortion of space-time
- Option: D) Bright lines in their images

5. What do astronomers worry will become harder due to the presence of too many satellites?

- Option: A) Finding new galaxies
- Option: B) Observing black holes
- Option: C) Detecting dark matter
- Option: D) Finding dangerous asteroids

6. What type of call did Vodafone make using a satellite phone for the first time in the UK?

- Option: A) Voice call
- Option: B) Video call
- Option: C) Conference call
- Option: D) Text message

True-False

7. Vodafone made the first video call using a satellite phone in France.
8. Adding satellite connections to its service will not benefit areas without mobile signals.
9. Experts believe that launching more satellites is unnecessary for Vodafone's plans to work well.
10. Astronomers are concerned about the impact of too many satellites on their ability to observe space.
11. Detecting dangerous asteroids may become easier with the help of Vodafone's satellite connections.
12. The problem of bright lines in astronomers' images is not a significant issue related to satellite presence.

Gap-Fill

13. Vodafone wants to add satellite connections to its phone service by the end of this _____.
14. Astronomers worry it will be harder to find dangerous asteroids that can hit _____.
15. Vodafone made a video call using a satellite phone for the first time in the UK from a mountain in _____.
16. Experts say many satellites need to be launched for Vodafone's satellite connections to work well in _____ without mobile signals.
17. The problem of bright lines in astronomers' images occurs due to _____ in space.
18. Astronomers raised concerns about the impact of too many satellites on their ability to observe _____.

Answer

Multiple Choice: 1. C) Wales 2. B) Satellite connections 3. C) To help areas without mobile signals 4. D) Bright lines in their images

5. D) Finding dangerous asteroids 6. B) Video call

True-False: 7. False 8. False 9. False 10. True 11. False 12. False

Gap-Fill: 13. year 14. Earth 15. Wales 16. areas 17. satellites 18. space

Vocabulary quizzes

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

1. When does a game typically get its official release?

Option: During development

Option: At the start of production

Option: After completion of development

Option: During testing phase

2. What are payloads used for in space missions?

Option: Create orbit

Option: Drive the spacecraft

Option: Carry instruments or supplies

Option: Communicate with ground stations

3. What raw material is needed for producing aluminum through the Bayer process?

Option: Iron ore

Option: Copper

Option: Bauxite

Option: Zinc

4. What natural event occurs when the moon passes between the Earth and the sun?

Option: Solar eclipse

Option: Lunar eclipse

Option: Planetary alignment

Option: Meteor shower

5. What is the primary purpose of a charitable donation?

Option: Create awareness

Option: Support a cause

Option: Invest for profit

Option: Gain social media followers

6. In which type of game are dungeons often a prominent feature?

Option: Sports

Option: Puzzle

Option: Racing

Option: Role-playing

7. Which space objects are primarily found in the Asteroid Belt?

Option: Comets

Option: Moons

Option: Planets

Option: Asteroids

8. What type of equipment is used to establish a connection in remote areas?

Option: Blender

Option: Satellite

Option: Smartphone

Option: Telegraph

9. Which term refers to the number of people living in a particular area?

Option: Elevation

Option: Population

Option: Temperature

Option: Longitude

10. What natural disasters are often caused by extreme heat and dry conditions?

Option: Avalanches

Option: Earthquakes

Option: Tornadoes

Option: Wildfires

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

11. A Wi-Fi _____ is needed to access the internet wirelessly.

12. Ignoring safety protocols can lead to _____ working conditions.

13. A lunar _____ occurs when the Earth passes between the sun and the moon.

14. The robotic _____ successfully touched down on the surface of Mars.

15. After the earthquake the community came together to _____ their homes and businesses.

16. The football player celebrated after scoring a _____ in the last minute of the game.

17. Generous _____ from the community helped rebuild the orphanage after the fire.

18. _____ use powerful telescopes to study celestial objects in the night sky.

19. The sun sets in the _____ painting the sky in hues of orange and pink.

20. The company decided to offer a special _____ deal including a smartphone and accessories.

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

21. The latest update of the software includes a new security to protect user data.

22. A satellite moves in a predefined path around a celestial body known as its .

23. Photographers often use filters to enhance the colors in their .

24. One of the largest lunar seas Mare is located on the moon.

25. In video games players must defeat various to progress to higher levels.

26. An undergoes rigorous training before traveling to space.

27. Recycling cans helps conserve resources and reduce the need for mining .

28. The successful of the new product received positive reviews from customers.

29. The cable company offers a bundle of services including internet TV and phone.

30. The spacecraft made a smooth on the Martian surface.

Answer

Multiple Choice: 1. After completion of development 2. Carry instruments or supplies 3. Bauxite 4. Solar eclipse 5. Support a cause 6. Role-playing 7. Asteroids 8. Satellite 9. Population 10. Wildfires

Gap-Fill: 11. connection 12. unsafe 13. eclipse 14. lander 15. rebuild 16. touchdown 17. donations 18. Astronomers 19. evening 20. bundle

Matching sentence: 1. Feature 2. Orbit 3. Images 4. Crisium 5. Enemies 6. Astronaut 7. Aluminum 8. Launch 9. Bundle



10. Touchdown

CATEGORY

1. Sci/Tech - LEVEL1

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Author

aimeeyoung99

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