



Doorbell Cam Captures Meteorite Crash Sound!

Description

Nowadays, we have many cameras in our homes and phones. So, it is not surprising to catch special moments, like when a meteorite falls. A video from Prince Edward Island, Canada, might be the first to show this.

In July 2024, a Ring doorbell camera recorded a meteorite falling. It also captured the sound of it hitting the pavement outside Joe Velaidum and Laura Kelly's house. Geologist Chris Herd from the University of Alberta said this might be the first time anyone has recorded the sound of a meteorite fall.

Joe and Laura were walking their dogs when the impact happened. When they got home, they found gray debris on their walkway. They learned from neighbors that a loud noise was heard. Curious, Joe checked the camera.

Most space rocks burn up in the atmosphere. However, small pieces can reach the ground. Joe found some bits of the meteorite nearby. The impact even made a small crater, only 2 centimeters wide.

The meteorite is an ordinary chondrite. These rocks help us learn about the early Solar System. If you want to find space dust, you can check your roof gutters. Happy hunting!

Vocabulary List:

1. **Meteorite** /'mi:ti.ə.raɪt/ (noun): A solid fragment of a meteoroid that survives its passage through the atmosphere and impacts the ground.
2. **Impact** /'ɪm.pækt/ (noun): The action of one object coming forcibly into contact with another.
3. **Debris** /də'bri:/ (noun): Scattered pieces of waste material or remains.
4. **Crater** /'kreɪ.tər/ (noun): A bowl-shaped depression formed by the collision of a meteorite with a planet or moon.
5. **Atmosphere** /'æt.mə.sfiər/ (noun): The envelope of gases surrounding the earth or another planet.
6. **Ordinary** /'ɔ:.dɪ.nəri/ (adjective): With no special or distinctive features; normal.

Comprehension Questions

Multiple Choice



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1. Where was the video of the meteorite falling recorded?
Option: Alberta, Canada
Option: Prince Edward Island, Canada
Option: Toronto, Canada
Option: Vancouver, Canada

 2. What type of camera recorded the meteorite falling?
Option: CCTV camera
Option: GoPro camera
Option: Ring doorbell camera
Option: Dashcam

 3. What did Joe and Laura find on their walkway after the impact?
Option: Colorful stones
Option: Gray debris
Option: Shiny crystals
Option: Sand

 4. What type of rock is the meteorite that fell?
Option: Ordinary chondrite
Option: Sedimentary rock
Option: Igneous rock
Option: Metamorphic rock

 5. How wide was the crater made by the meteorite impact?
Option: 5 centimeters
Option: 10 centimeters
Option: 2 centimeters
Option: 15 centimeters

 6. What did Joe discover near the spot of impact?
Option: Lava rocks
Option: Petrified wood
Option: Meteorite fragments
Option: Fossilized shells

True-False



7. The video of the meteorite falling was recorded in August 2024.
8. Geologist Chris Herd is from the University of Alberta.
9. Most space rocks completely vaporize in the atmosphere.
10. The meteorite impact caused Joe and Laura to rush to the hospital.
11. Meteorites help us understand the formation of the Solar System.
12. Roof gutters are good places to find space dust.

Gap-Fill

13. The meteorite impact made a _____ wide crater.
14. Joe found some bits of the meteorite _____ the impact site.
15. Geologist Chris Herd is affiliated with the University of _____.
16. Meteorites are valuable for understanding the early _____ System.
17. Gray _____ was found on Joe and Laura's walkway after the impact.
18. The fallen meteorite was an ordinary _____.

Answer

Multiple Choice: 1. Prince Edward Island, Canada 2. Ring doorbell camera 3. Gray debris 4. Ordinary chondrite 5. 2 centimeters 6. Meteorite fragments

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

Gap-Fill: 13. 2 centimeters 14. nearby 15. Alberta 16. Solar 17. debris 18. chondrite

Vocabulary quizzes

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



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1. What is a meteorite?
Option: A type of comet
Option: A piece of rock from space that has landed on Earth
Option: A shooting star
Option: An artificial satellite
 2. What does the field of psychology study in relation to individuals?
Option: Weather patterns
Option: Animal habits
Option: College tuition fees
Option: Behavior and mental processes
 3. What type of beverage is ethanol?
Option: Milk
Option: Water
Option: Alcohol
Option: Soda
 4. What term is used to describe the change in position of an object over time?
Option: Motion
Option: Rest
Option: Stasis
Option: Inactivity
 5. What is the average weather condition in a specific area over a long period of time?
Option: Temperature
Option: Season
Option: Climate
Option: Forecast
 6. What is the natural process of becoming older?
Option: Growing
Option: Ageing
Option: Youthening
Option: Immortality
 7. What is the probability of harm or damage?
Option: Entropy
Option: Safety
Option: Risk
Option: Risk Diminishment



8. What is the organized provision of medical care to individuals or a community?

Option: Veterinary care

Option: Dental care

Option: Aesthetic care

Option: Healthcare

9. What are advantages or rewards from a particular action or situation?

Option: Obstacles

Option: Drawbacks

Option: Benefits

Option: Hindrances

10. Which term best describes someone who is full of energy and enthusiasm?

Option: Lethargic

Option: Energetic

Option: Apathetic

Option: Torpid

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

11. After the explosion the area was littered with _____.

12. _____ is a general term for a decline in mental ability severe enough to interfere with daily life.

13. The number of people living in a particular area is known as the _____.

14. The best part of the concert was definitely the _____ of the lead singer's vocal range.

15. It is important to have proper _____ of your emotions in stressful situations.

16. Putting aside some money each month is a good way to build up your _____.

17. Cow flatulence is a significant source of _____ emissions.

18. The data was thoroughly _____ by the research team.

19. The hikers found themselves _____ in the cave due to the sudden rockfall.



20. _____ are a major concern during hot and dry seasons in forested regions.

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

21. The asteroid had a significant impact on the Earth's ecosystem millions of years ago.
22. The large hole in the ground was caused by a meteorite impact and is known as a crater.
23. The sudden appearance of the rare bird species in the city park was quite surprising to the birdwatchers.
24. Overcoming the obstacles in the mountain terrain proved to be a tough challenge for the climbers.
25. The sound of the mouse skittering across the attic floor startled the homeowner.
26. The biologist specialized in studying insect behavior in their natural habitats.
27. The team of researchers conducted experiments to test the new drug's efficacy.
28. Despite his fame he preferred to live an ordinary life away from the spotlight.
29. The chef's special dish was the highlight of the evening at the gourmet festival.
30. Scientists use isotopes to determine the age of ancient artifacts through radiocarbon dating.

Answer

Multiple Choice: 1. A piece of rock from space that has landed on Earth 2. Behavior and mental processes 3. Alcohol 4. Motion 5. Climate 6. Ageing 7. Risk 8. Healthcare 9. Benefits 10. Energetic

Gap-Fill: 11. debris 12. Dementia 13. population 14. highlight 15. control 16. savings 17. methane 18. analyzed 19. trapped 20. Wildfires

Matching sentence: 1. Impact 2. Crater 3. Surprising 4. Challenge 5. Skittering 6. Naturalist 7. Researchers 8. Ordinary 9. Highlight 10. Isotopes

CATEGORY

1. Health - LEVEL1

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