

**Hubble witnessed plumes of  
water vapor on which of Jupiter's moons?**



1  
00:00:00,000 --> 00:00:10,390

[Music]

2  
00:00:15,030 --> 00:00:12,709

europa is an ice-covered moon long

3  
00:00:18,150 --> 00:00:15,040

suspected to have an ocean under the ice

4  
00:00:20,870 --> 00:00:18,160

but hubble detected actually episodic

5  
00:00:24,550 --> 00:00:20,880

plumes of water vapor being ejected from

6  
00:00:30,070 --> 00:00:24,560

between cracks in the ice of europa

7  
00:00:35,430 --> 00:00:32,950

that's something that we can glean by

8  
00:00:38,069 --> 00:00:35,440

having a telescope that can look at

9  
00:00:41,590 --> 00:00:38,079

things in the solar system over time

10  
00:00:43,430 --> 00:00:41,600

and see changes and dynamics that gives

11  
00:00:45,800 --> 00:00:43,440

us information that we would never get

12  
00:00:49,510 --> 00:00:45,810

by just one single snapshot

13  
00:00:51,910 --> 00:00:49,520

[Music]

14

00:00:54,869 --> 00:00:51,920

so because hubble is above the earth's

15

00:00:56,709 --> 00:00:54,879

atmosphere we can actually see details

16

00:00:58,470 --> 00:00:56,719

on planets in our solar system and

17

00:01:00,850 --> 00:00:58,480

beyond that would be difficult or

18

00:01:14,550 --> 00:01:00,860

impossible to see from the ground