



Mythbusters - Moon Hoax?



1. How many Americans believe the Moon landing was a hoax?

2. What were they comparing on the two computer screens labeled "NASA" and "Mythbusters?"

3. When the Mythbusters shined a light on a flat surface, the shadows were...

4. What HYPOTHESIS do they think might make their shadows look differently? (When Adam says; "We're positive that...")

5. What happened to the shadows when the Moon topography was no longer flat?

Myth - Shadows in pictures were not parallel. This means there were two light sources.



6. On the Mythbusters first test, was the boot print cleanest in wet or dry sand? Why?

7. We see Moon because of what type of light?

8. What is the dust that covers the Moon called?

Myth - If an astronaut is in the shadow of the lunar module, you can't see him because of the darkness of the shadow.



9. What did NASA reuse to create its vacuum chamber?

10. How much do the space suit arms cost?

11. If we didn't go to the Moon, how do conspiracy theorists say NASA made the astronauts appear weightless?

12. What are the 3 gestures the astronauts did in the video that the Mythbusters will test?

13. To best simulate the Lunar surface, the Mythbusters used...

14. What happens to a boot print in dry earth sand?

15. What happens to a boot print in dry moon regolith?

Myth - A boot print cannot be a clean imprint unless it is made in wet soil.



16. Who started the race to the Moon in 1961?

17. How many astronauts have walked on the Moon?

18. Adam had to weigh how many pounds to simulate Moon movement in the gravity rig.

19. In simulated 1/6th gravity (gravity rig), how did Adam's helmet behave?

20. What happened to the flag when there was no drag or friction in the air?

Myth - The flag appears to flap on the lunar surface. It cannot flap in a vacuum. There had to be a breeze.



More on Back

21. To simulate the weight of the equipment the astronauts wore on the Moon, how much weight (stuff) did Adam have to wear on the Zero-G jet?

22. When the Mythbusters flew on the Zero-G jet, was the 1/6th gravity simulated or the real-deal?

23. How many different ways (gestures) did the Mythbusters test the moon walk while in the plane?

24. Which trial (gravity rig or Zero-G jet) best simulated the real experience shown in the NASA videos?

Myth – *The movies of the astronauts moving on the Moon was made through slow motion photography.*



25. What type of reflector did astronauts leave on the moon?

26. What happened when the laser was pointed at a random spot on the Moon?

27. Where did the Apollo 15 mission land?

28. What happened when the laser was pointed at the Apollo 15 landing site?

29. What is the most conclusive test with the ultimate proof the Moon landings are real?

30. Draw a picture of your favorite dinosaur below.

Pick 1 experiment that the Mythbusters busted on this episode to complete the following:

Question/Myth: _____

Their Hypothesis: _____

Their Experiment: Materials they used: _____

Procedure they followed: Step 1. _____

Step 2. _____

Step 3. _____

Step 4. _____

Step 5. _____

Safety Precautions they took: _____

Their Results: _____

Their Conclusion: _____

Independent Variable(s): _____

Dependent Variable(s): _____

Constants in experiment: _____

Their Control: _____