

The Weekly Challenge

Gravity in Outer Space

We are all familiar with astronauts floating in the International Space Station or in the Space Shuttle.

1. What has happened? Is there no gravity in outer space?

2. What evidence supports your position?

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Our Blue Sky

Many People believe that the blue color of our sky results from the Sun's light being reflected from the Earth's blue oceans.

1. What evidence supports and/or refutes this belief?

2. Propose another cause.

3. What evidence supports your new cause?

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Man on the Moon

Fox TV recently aired a popular television program that claims that Americans have never walked on the Moon. They are in the process of making another program on this subject

1. Did NASA really fake the manned landing on the Moon?

2. What is the evidence?

3. How can you evaluate the evidence?

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The Face on Mars

A photo taken from one of the early missions to Mars showed a feature that looked like a face after it was enhanced by a computer.

1. Was the face discovered on the surface of Mars really created by Martians?
2. Describe and evaluate the evidence.
3. What could cause the picture to look like a face?

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Is the Earth's Moon really Larger at Moon Rise?

Many people argue that the moon bigger when is rises above the horizon then it is when high in the sky.

1. Is this really the case?

2. What is the evidence?

3. Propose an experiment that would resolve the argument without s doubt.