

Moon Miscellaneous Facts

- Distance from Earth to Moon: 238,857 miles
- Time to get to the Moon: 3 days
- Cost of round trip to the Moon \$100 million to \$3 billion
- Resources Needed: air, water, food

Air: Breathable air might be created by extracting oxygen from the moon's surface.

Water:

- Shipping water from Earth would cost \$400,000 per gallon.
- Shipping liquid hydrogen from earth would cost less. It could be mixed with Moon oxygen to create water.
- Water source might be available at the Moon's South Pole.

Food: Since there is no soil on the Moon, the first inhabitants would have to bring the nutrients necessary to grow plants. Then the chemicals and organic waste could be recycled for future growth.

All of this would require power. The most likely source of power would be solar energy.



Questions

1. *What is the length of a round trip to the moon?*
2. *What is the source of energy on the moon?*
3. *How much does it cost to go to the moon?*
4. *How could humans get the resources they need for a colony on the moon?*