

## Moon Atmosphere, Water, and Weather

### Solar Energy

The moon's day is a lot longer than ours. 13-½ Earth days equal 1 moon day. 13 ½ Earth days equal 1 Moon night. During the day temperatures can reach 253°F. At night the temperature can be as low as 243°F below zero. Because there is no atmosphere, little solar energy is trapped as heat. The moon is only tilted 1.5 degrees so there are no seasons like we have on Earth.

### Weather

Put all these factors together and you can understand the weather on the Moon. There is basically no weather. There is no atmosphere, so there is no wind. There is no standing water so there is no ocean to be part of a water cycle.



### Questions

1. *How is the atmosphere of the Moon different from Earth's?*
2. *Where is water found on the Moon?*
3. *Does the Moon have seasons?*
4. *How long is a Lunar day?*
5. *How does the lack of a lunar atmosphere affect the temperature on the surface?*