

1. Understanding Planetary Processes
GOAL 1a: Formation of the Earth Moon system

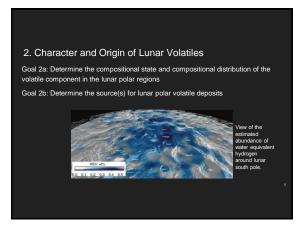
• Moon's formation affected the early thermal state of itself and Earth which affected geologic evolution

• Continues to affect Earth's rotation rate, controlling the tides and the length of a day

GOAL 1e: Impact processes: basins and craters, mixing of the crust

Ouestion: How does the Moon experience weathering?

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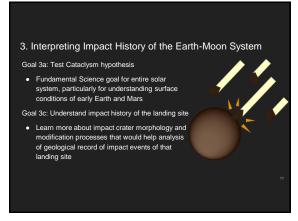
Character and Origin of Lunar Volatiles

Goal 2f: Understand the impact of exploration on the lunar volatile record across the surface

 Robotic and human activity on the lunar surface will alter the current natural state of the region

O: Do you think there are any ethical concern with disrupting the natural environment on the Moon and eventually Mars?

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4. The Ancient Sun and Astronomical Environment

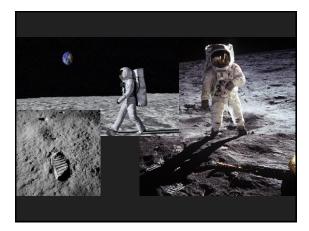
Goal 4a: Understand the history of the Sun, including the composition and flux of the solar wind

Goal 4c: Understand the changing composition of impactors with time, and the nature of early Earth

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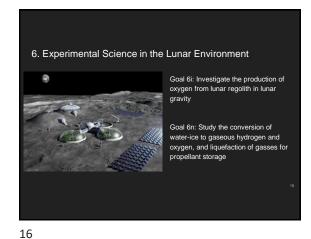
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