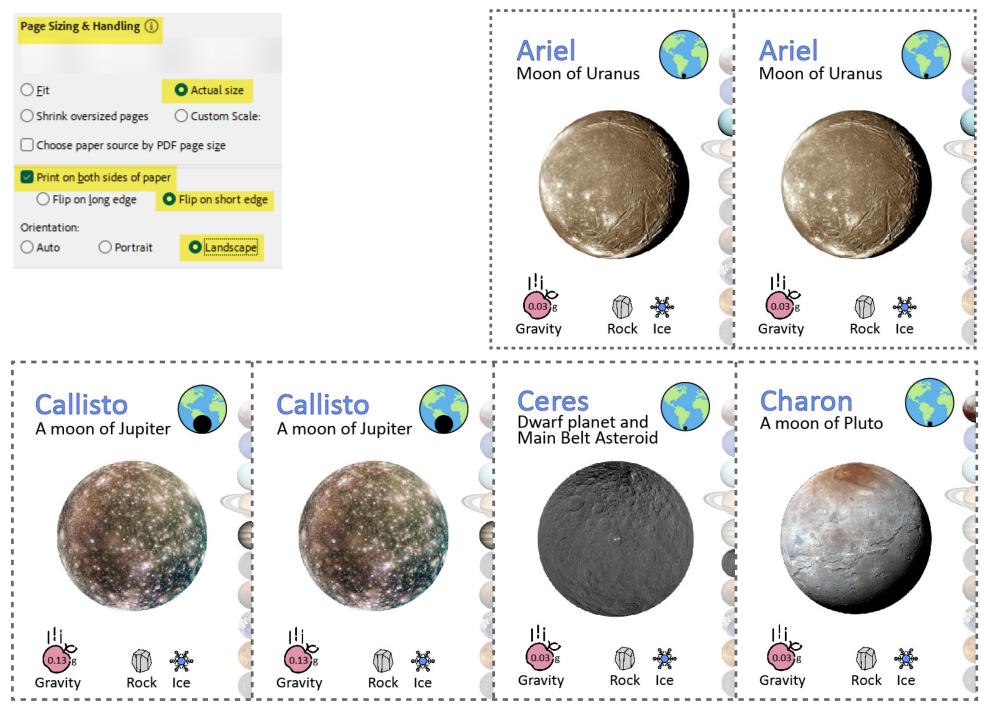
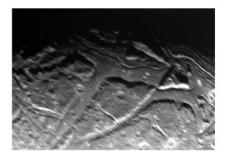
IMPORTANT: In the PDF Print box, be sure to select Actual Size, Print on both sides of paper, and Flip on short edge. See screenshot below.



Water in Extreme Environments Planetary Cards 1 (page 1 of 4) Note: What appears to be duplicates are not; they are the fronts of more than 1 card.

SURFACE Ariel's surface is 15 made of water ice and carbon dioxide ice.

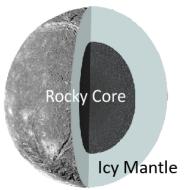


Canyons and craters on Ariel's surface imaged by the Voyager 2 spacecraft.



SUBSURFACE

Ariel is made of about half rock and half water ice.

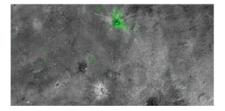


Model of Ariel's interior

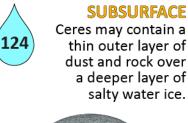


SUBSURFACE

Charon has water ice in its subsurface that may once have been liquid.

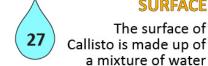


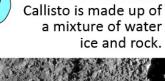
The New Horizons spacecraft imaged water ice in craters on Charon.





Model of the interior of Ceres.





SURFACE



The surface of Callisto observed by the Galileo spacecraft.

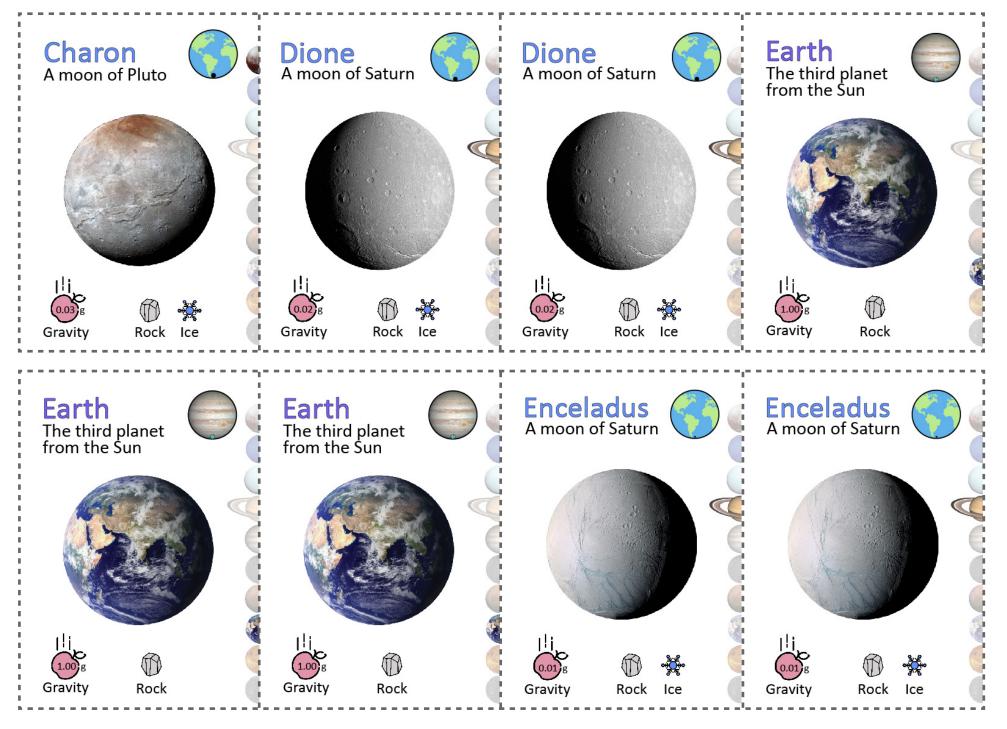
SUBSURFACE

Callisto may have an 244 underground ocean of salty liquid water.



Model of the interior of Callisto.

Water in Extreme Environments Planetary Cards 1 (page 2 of 4) Note: What appears to be duplicates are not; they are the fronts of more than 1 card.



Water in Extreme Environments Planetary Cards 1 (page 3 of 4) Note: What appears to be duplicates are not; they are the fronts of more than 1 card.

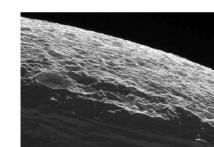


SUBSURFACE

On Earth, water is held underground as liquid water and ice.



Groundwater exposed by digging a hole in the sand.



14

81

SURFACE

Dione has a mostly

water ice surface.

The surface of Dione observed by the Cassini spacecraft.

SUBSURFACE

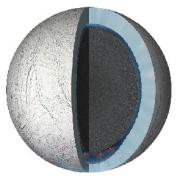
Enceladus may

contain a subsurface



SUBSURFACE Dione may

Dione may contain a deep subsurface ocean of liquid water.



Model of the interior of Dione.



The surface of Charon is a mixture of ices, including water ice.

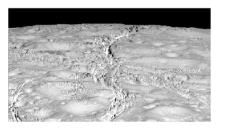


The New Horizons spacecraft discovered a long, deep canyon that encircles Charon.



SURFACE

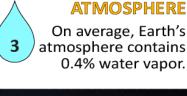
The surface of Enceladus is covered in water ice.



View of the north pole of Enceladus observed by the Cassini spacecraft.



Plumes of water vapor and ice erupting from fractures were detected by the Cassini spacecraft.





Earth's atmosphere observed from the International Space Station.



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SURFACE

Surface water is present on Earth in the form of oceans, rivers, and glaciers.



True color mosaic of the Earth, based on images from an Earth-observing satellite.

Water in Extreme Environments Planetary Cards 1 (page 4 of 4) Note: What appears to be duplicates are not; they are the fronts of more than 1 card.

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