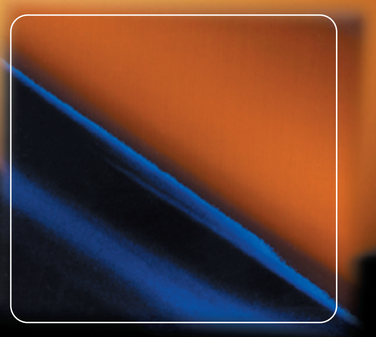
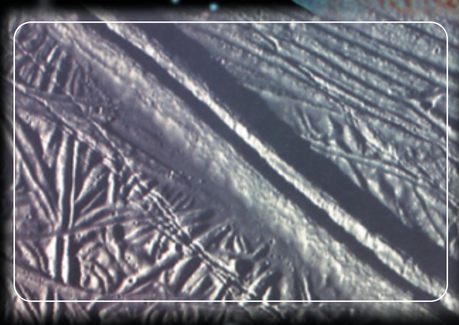
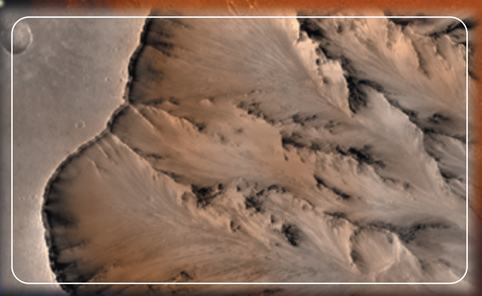
What is below **Titan's** thick atmosphere?



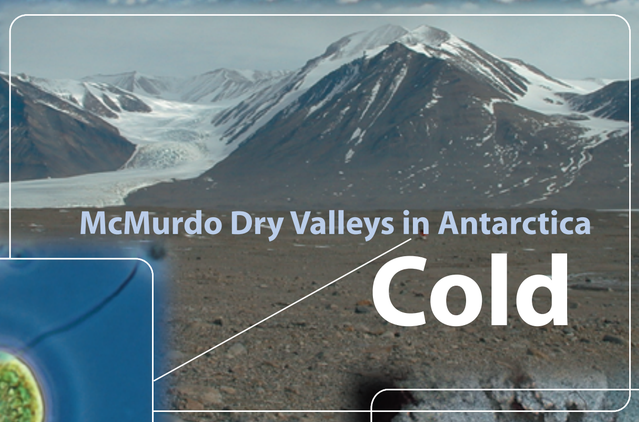
Could life survive in a liquid water ocean on **Europa**?



Did liquid water once flow on **Mars**?



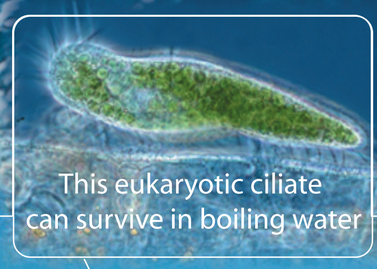
LIFE: What is it? Where is it? How do we find it?



McMurdo Dry Valleys in Antarctica

Cold

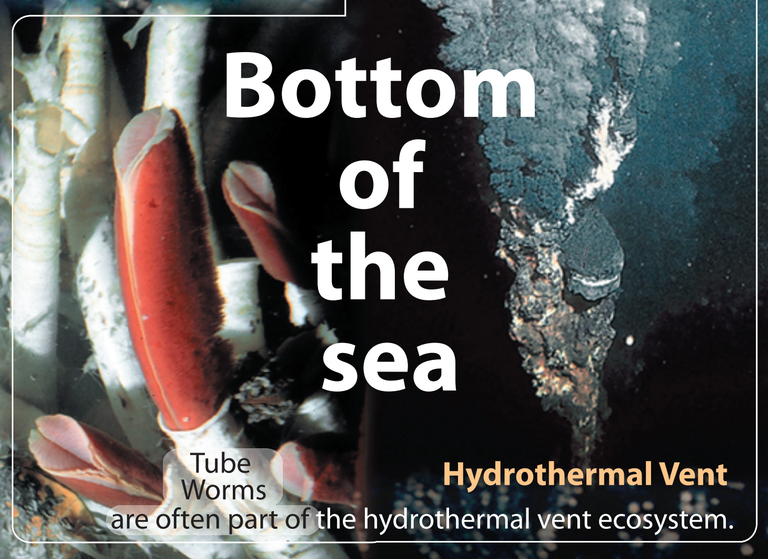
Chlamydomonas survives six feet deep in the ice.



This eukaryotic ciliate can survive in boiling water

Hot Springs in Yellowstone

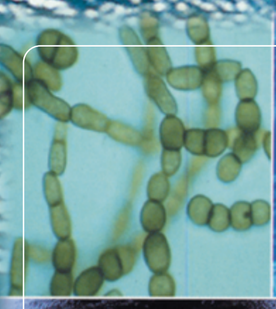
Hot



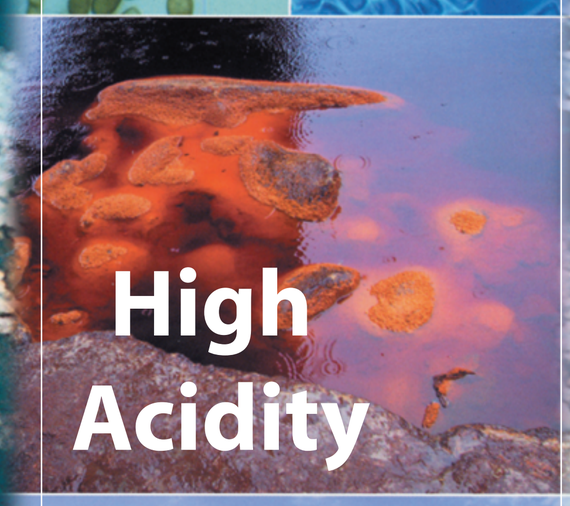
Bottom of the sea

Tube Worms are often part of the hydrothermal vent ecosystem.

Hydrothermal Vent



These microbes generate energy from reactions with iron and sulfur in the water.



High Acidity

Rio Tinto River in Spain

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