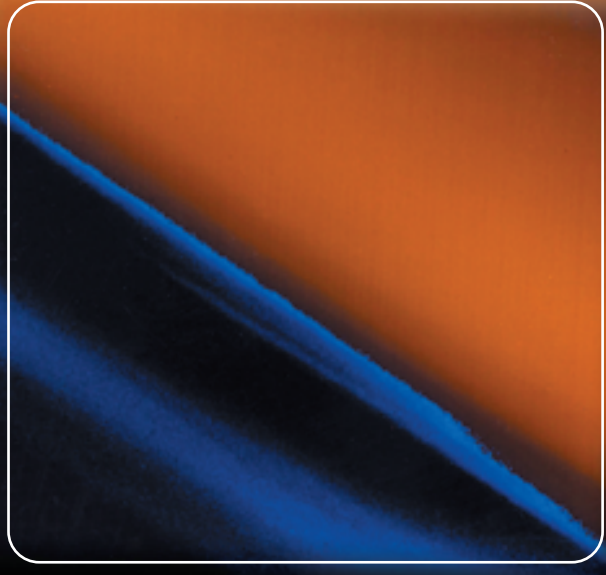
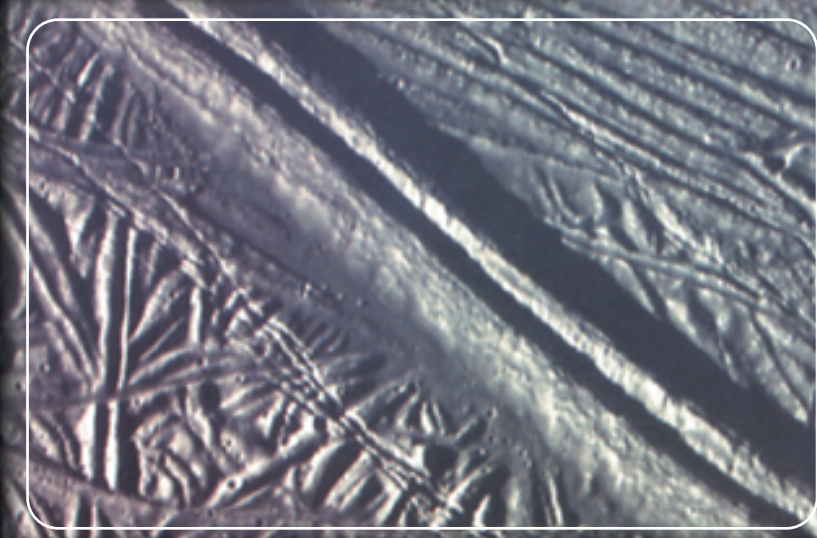


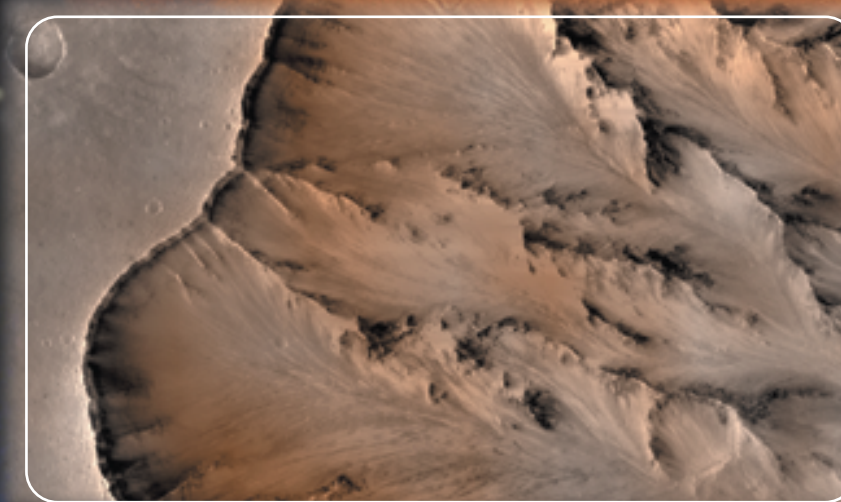
What lies within and below
Titan's thick atmosphere?



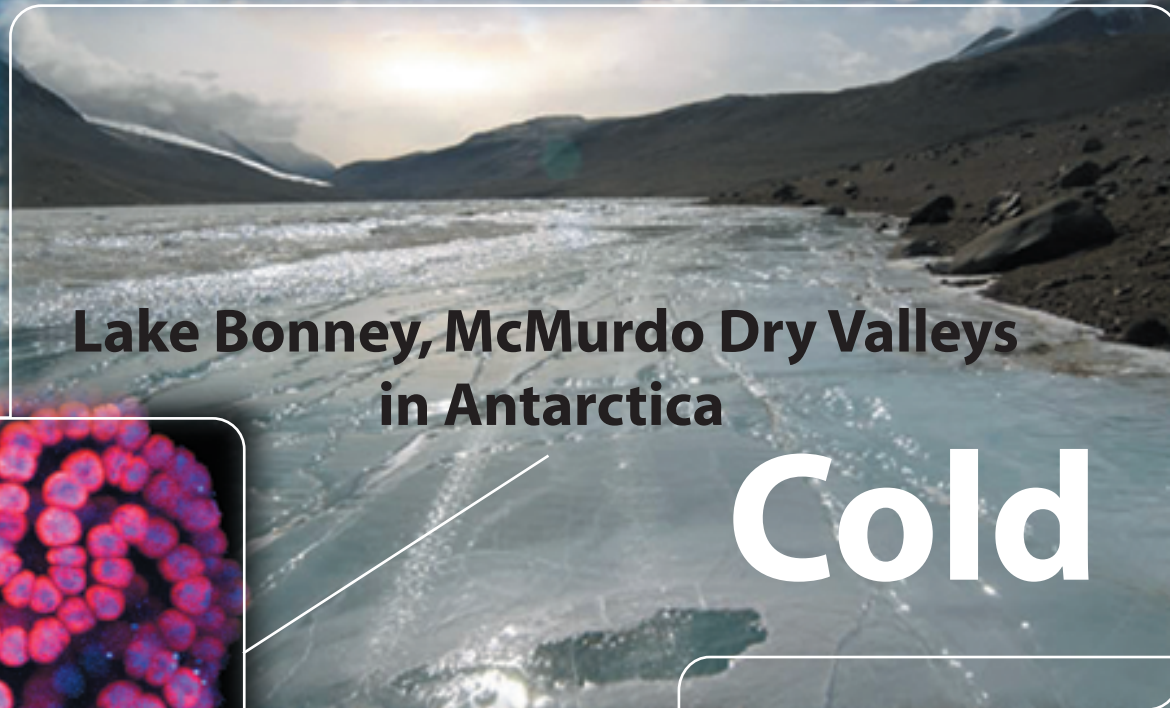
Does life exist in a
liquid water ocean on **Europa**?



Does water on Mars
mean life on **Mars**?

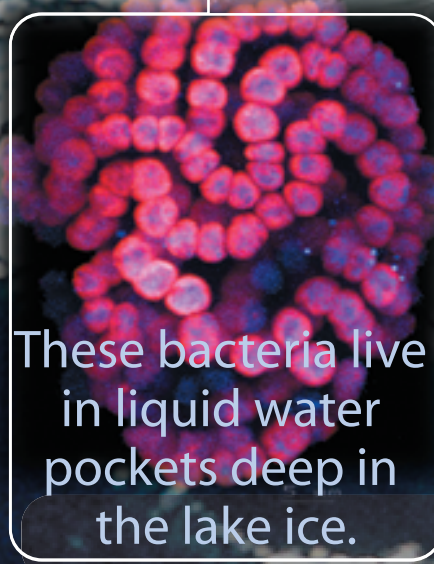


LIFE: What is it? Where is it? How do we find it?



Lake Bonney, McMurdo Dry Valleys
in Antarctica

Cold

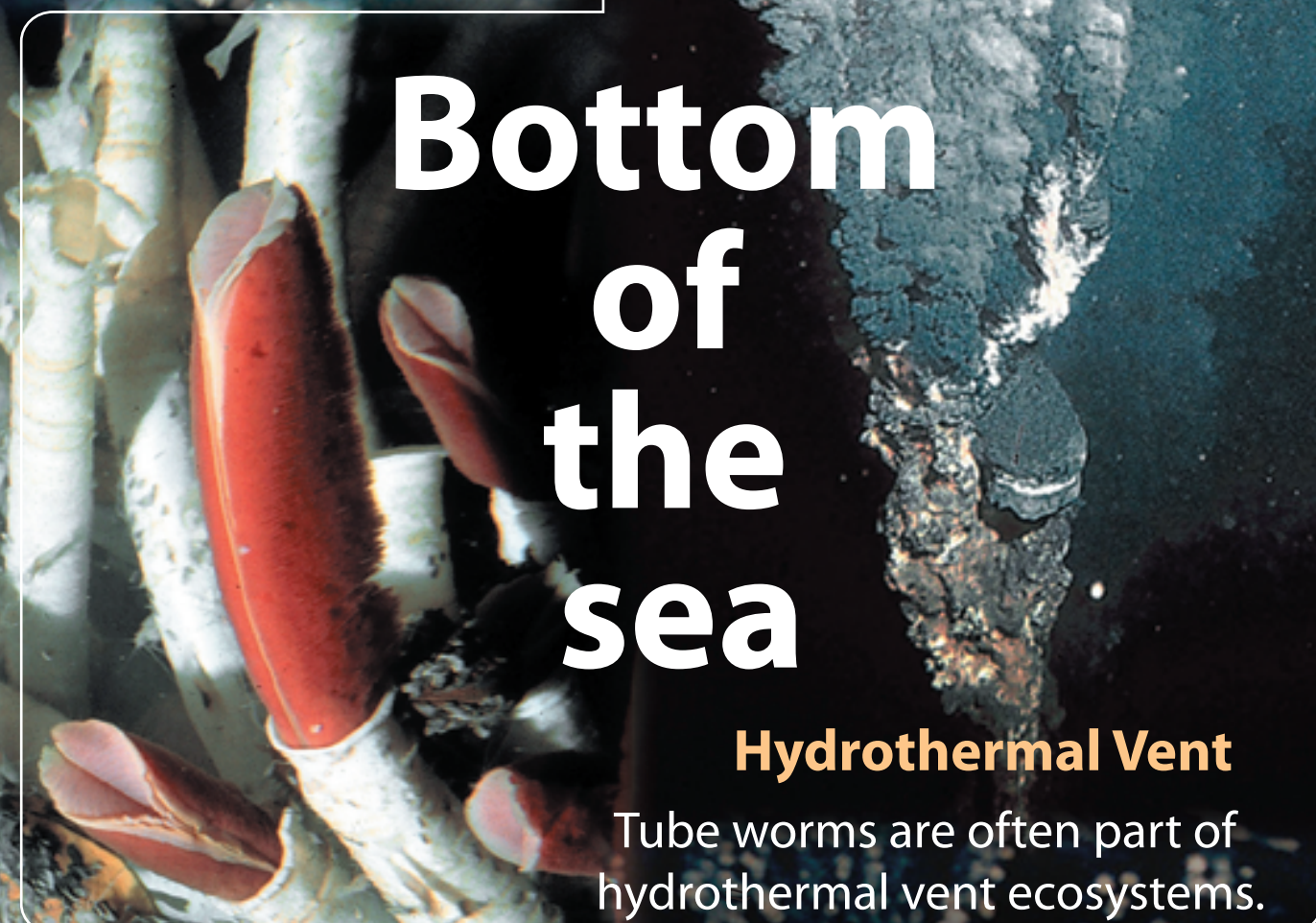
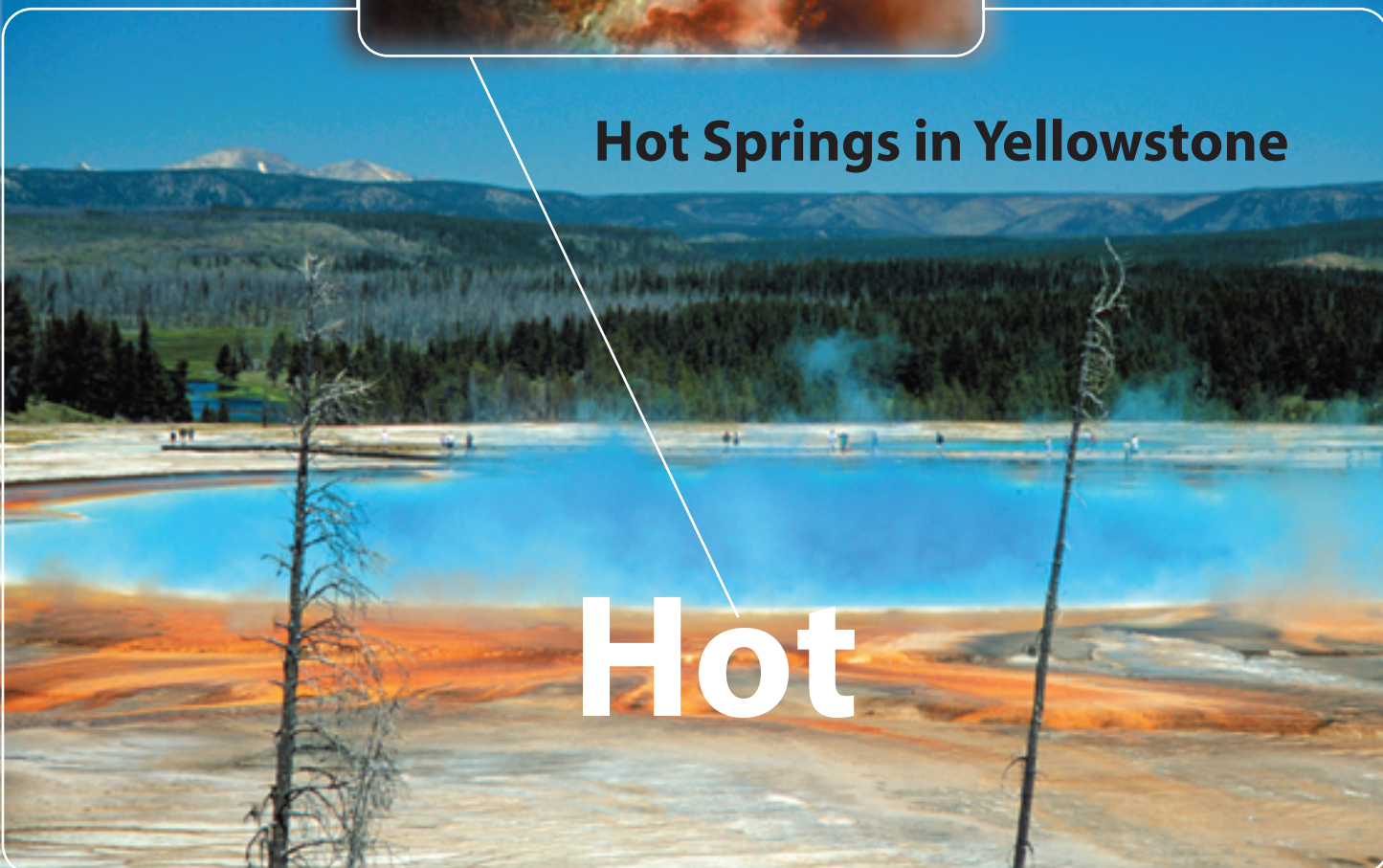


These bacteria live
in liquid water
pockets deep in
the lake ice.

Photosynthetic bacteria
thrive in the warm margins
of hot springs.

Hot Springs in Yellowstone

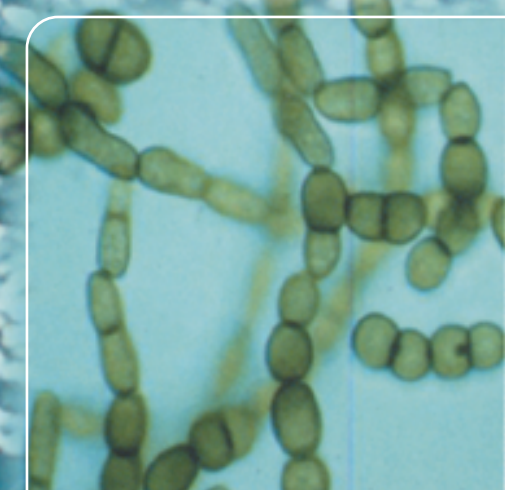
Hot



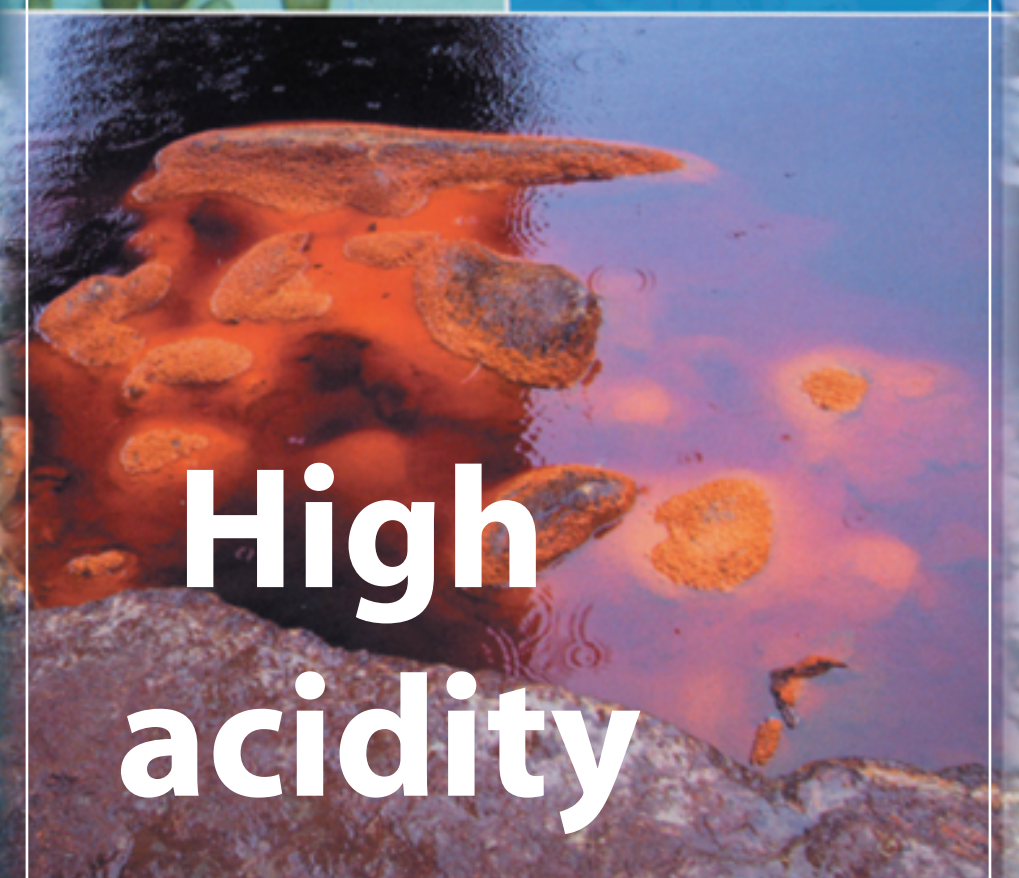
**Bottom
of
the
sea**

Hydrothermal Vent

Tube worms are often part of
hydrothermal vent ecosystems.



This acidophilic
fungus lives in
low pH and
high metal
concentrations
in the water.



**High
acidity**

Rio Tinto in Spain

