

FLUIDS

Unit 18 Dr. John P. Cise , Professor of Physics, Austin Community College, 1212 Rio Grande St., Austin Tx 78701

jpcise@austincc.edu & New York Times July 27, 2008 by Stephan Faris

Ice Free



Camille Seaman

By STEPHAN FARIS

Published: July 27, 2008

[Greenland](#)'s ice sheet represents one of [global warming](#)'s most disturbing threats. The vast expanses of glaciers — massed, on average, 1.6 miles deep — **contain enough water to raise sea levels worldwide by 23 feet.** Should they melt or otherwise slip into the ocean, they would flood coastal capitals, submerge tropical islands and generally redraw the world's atlases. The infusion of fresh water could slow or shut down the ocean's currents, plunging Europe into bitter winter.

Introduction: Look up the % surface of the earth which is water. Question: Knowing the radius of the earth find the volume of water (in cubic miles) increase if Greenland ice melted?