

Title: Conversations

Subtitle: Lead the state by simplicity???

Second Subtitle: Re: Lead the state by simplicity???

Author: wizanda

Date: 1153493173

URL: https://www.wizanda.com/modules/newbb/viewtopic.php?topic_id=50

Quote:

Water is simple, isn't it?

There is nothing simpler than water as a molecule. Its chemical formula, in chemistry that one learns in school. However, its structure in the bulk changeable. There are 13 known crystalline structures of ice that appear at different temperatures and pressures. As a liquid, water forms dynamic 'flickering' clusters of joined up molecules, with intermolecular bonds that flicker on and off at a timescale of femtoseconds. The complexity lies in the ability of a water molecule to join up with its neighbors via the hydrogen bond.