

Why does ice float on water?

- A Ice has a lower pH than water.
- B Ice has a higher pH than water.
- C Molecules of ice are spaced farther apart than molecules of water.
- D Molecules of water are spaced farther apart than molecules of ice.

Hydrogen bonds lock water into the lattice-like bonding pattern of ice. In this bonding pattern, molecules are spaced farther apart than they are in liquid water. In other words, ice is less dense than liquid water.

Answer C.

Starr C'02'06 2002-10-23