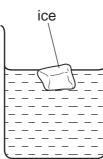
17 The diagram shows an ice cube floating in water.



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Both the ice cube and the water are at 0 °C.

Which statement correctly compares the molecular properties of the ice and those of the water?

- The mean inter-molecular potential energies are the same for both the ice molecules and the water molecules.
- The mean inter-molecular separations are the same for both the ice and the water. В
- C The mean kinetic energies are the same for both the ice molecules and the water molecules.
- The mean total energies are the same for both the ice molecules and the water molecules.

## **Space for working**