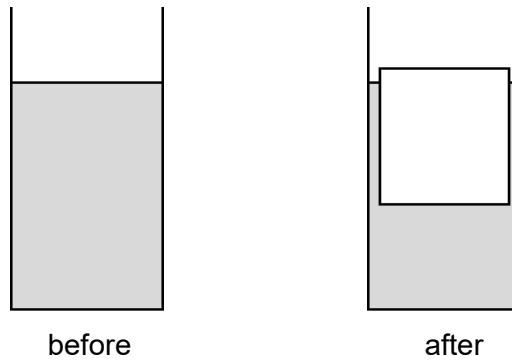**5** A cup contains 100 g of water. The pressure at the bottom of the cup is P.

before   after

50 g of water is removed from the cup, frozen into ice, and added back to the cup, as shown above. 10% of the volume of the ice is above the surface of the water.

What is the new pressure at the bottom of the cup?

A   0.95P **B** P **C**   1.05P **D**   1.10P