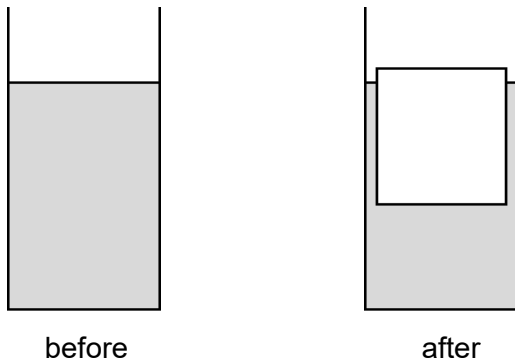


6

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



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** $1.10P$ **7**

An escalator is 60 m long and lifts passengers through a vertical height of 30 m