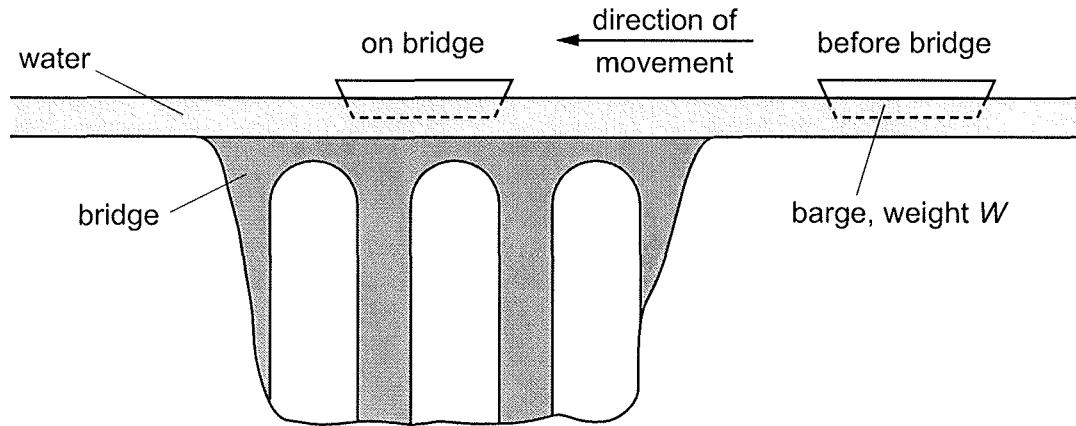**6** A bridge (an aqueduct) carries a canal across a valley, as shown.

A barge of total weight W in air approaches and crosses on to the bridge.

What is the extra weight supported by the bridge when the barge is on it?

A 0 **B** $\frac{1}{2}W$ **C** W **D** $2W$