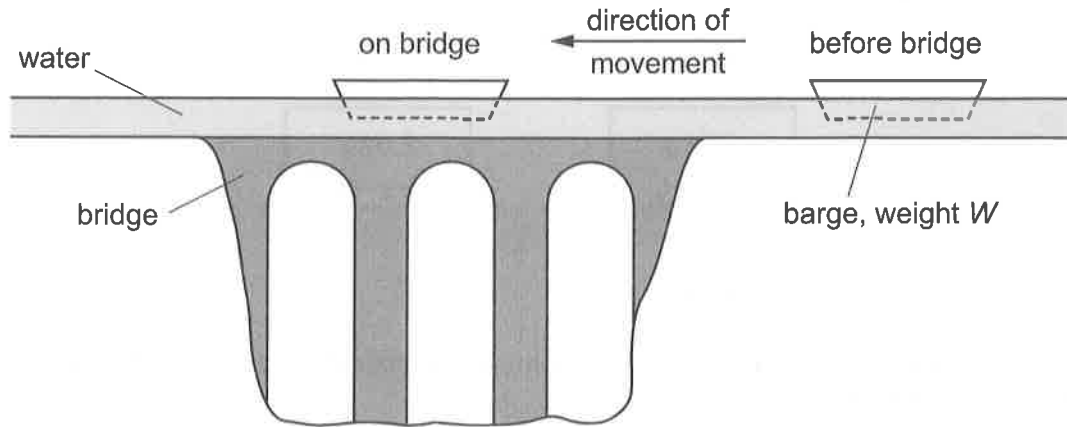


- 6 A bridge (an aqueduct) carries a canal across a valley, as shown.



A barge of total weight  $W$  in air approaches and crosses onto 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**  $2 W$

- 7 A car travels along a road at a constant speed of  $20 \text{ m s}^{-1}$ . Its power output is  $23 \text{ kW}$ . The total