16 A submarine is at a depth of 130 m below the surface of the sea.

The pressure on the submarine due to the sea water is p.

The submarine sinks to a depth of 260 m below the surface.

Assume that the density of sea water is constant.

What is the **difference** between the pressures on the submarine due to the sea water at the two depths?

A 0 **B** $0.5p$ **C** p **D** $2p$