

- 8** When a pebble of volume $2.0 \times 10^{-4} \text{ m}^3$ is hung on a spring balance, a reading of 8.0 N is obtained. The pebble is now totally immersed in a liquid of density 800 kg m^{-3} .

What is the reading on the spring balance now?

A 1.6 N

B 6.4 N

C 8.0 N

D 9.6 N