13 A gas cylinder is fitted with a safety valve which releases a gas when the pressure inside the cylinder reaches 2.0 x 10^6 Pa. Given that the maximum mass of this gas the cylinder can hold at 10°C is 15 kg, what would be the maximum mass at 30°C?

A 5.0 kg **B** 14 kg **C** 15 kg **D** 16 kg