

- 11 Four planets A, B, C and D have masses and radii as listed in terms of M and R where M and R are the mass and radius of the Earth respectively.

Which planet would have a surface escape speed which is the same as that of the Earth?

	mass of planet	radius of planet
A	$\frac{1}{2}M$	$\frac{1}{\sqrt{2}}R$
B	$\frac{1}{2}M$	R
C	M	$\frac{1}{2}R$
D	$2M$	$2R$