

**12** An object has weight  $W$  on the surface of the Earth.

The radius of Mars is 0.50 times that of the Earth.

The density of Mars is 0.70 times that of the Earth.

What is the weight of the object on the surface of Mars?

**A** 0.35  $W$

**B** 0.50  $W$

**C** 0.70  $W$

**D** 2.8  $W$