

- 11** The gravitational field strength at the surface of Neptune is approximately equal to the gravitational field strength at the surface of the Earth. The mass of Neptune is 17 times the mass of the Earth.

What is the value of the ratio $\frac{\text{radius of Neptune}}{\text{radius of Earth}}$?

- A** 0.059 **B** 0.24 **C** 4.1 **D** 17

- 12** A huge block of ice at 0°C with a hollow in its top surface is placed in an insulated container as