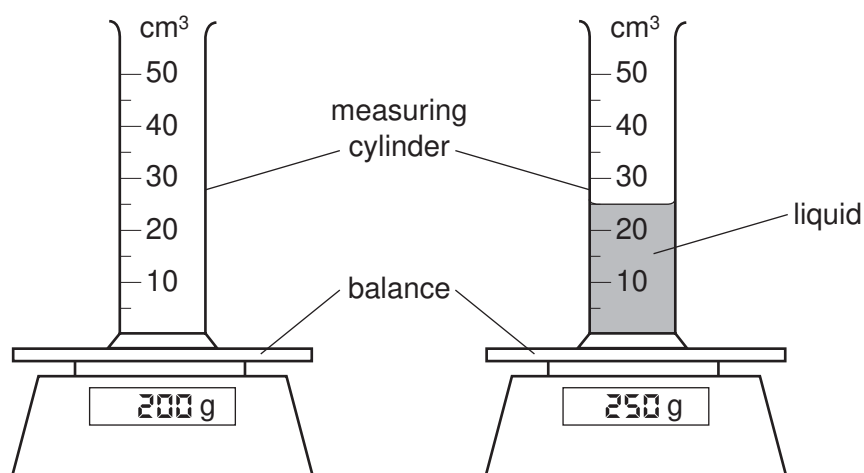


5 The diagram shows an experiment to find the density of a liquid.



What is the density of the liquid?

- A** 0.5g/cm<sup>3</sup>      **B** 2.0g/cm<sup>3</sup>      **C** 8.0g/cm<sup>3</sup>      **D** 10.0g/cm<sup>3</sup>

6 An experiment is carried out to measure the extension of a rubber band for different loads.

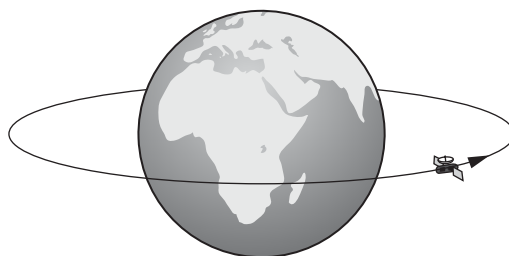
The results are shown below.

load/N	0	1.0	2.0	3.0
length/cm	15.2	16.2		18.6
extension/cm	0	1.0	2.1	3.4

Which figure is missing from the table?

- A** 17.2      **B** 17.3      **C** 17.4      **D** 17.6

7 The diagram shows a satellite that is moving at a uniform rate in a circular orbit around the Earth.



Which statement describes the motion of this satellite?

- A** It is accelerating because its speed is changing.  
**B** It is accelerating because its velocity is changing.  
**C** It is not accelerating but its speed is changing.  
**D** It is not accelerating but its velocity is changing.