

21 The graph shows the distribution of speeds for the molecules of a gas at a particular temperature.



Which statement is correct?

- A All the molecules have the same kinetic energy.
- B The commonest value of speed is also the average speed.
- C The graph shows that the molecules of a gas are widely spaced apart.
- D The peak value of the graph would move to the right if the temperature is increased.

22 The Marianas Trench in the Pacific Ocean has a depth of about 10 km.