

13. The escape speed from Earth is 11.2 km/s. At what temperature would 11.2 % of the oxygen molecules in the Earth's atmosphere have speeds greater than the escape speed?
Hint: See Table on formula sheet.

A. 1.2×10^4 K

B. 0.8×10^5 K

C. 1.6×10^5 K

D. 2.4×10^5 K

E. 3.2×10^5 K

F. 6.4×10^5 K

Ans. _____