

5. What is the temperature of an ideal gas whose molecules in random motion have an average translational kinetic energy of  $3.20 \times 10^{-20}$  joules?

A.  $4.65 \times 10^3$  K

B.  $1.55 \times 10^3$  K

C.  $2.32 \times 10^3$  K

D.  $7.24 \times 10^{-23}$  K

E.  $4.82 \times 10^{-23}$  K

F. Not close to any of the above

Ans. \_\_\_\_\_