

**Answer on Question #41561, Physics, Molecular Physics — Thermodynamics — for completion**

Question: Which of the following is NOT true about conduction as a means of heat transfer?

- a. transfer of heat occurs through successive collisions of the atoms or molecules
- b. the average kinetic energy of the atoms or molecules is greater in the hot object than in the cold
- c. the transfer process requires a material medium for it to take place
- d. there is net translational motion of the atoms or molecules from their mean equilibrium

Solution

This is not true: d. there is net translational motion of the atoms or molecules from their mean equilibrium