

Answer on question #58124, Physics / Molecular Physics | Thermodynamics

Question 7 Which of these determines whether or not heat flows in a system?

- average speed of the constituent particles of the system
- pressure difference between parts of the system
- degree of hotness or coolness of the system
- temperature difference between parts of the system

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

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

Solution 7. Temperature difference between parts of the system determines whether or not heat flows in a system

8. there is net translational motion of the atoms or molecules from their mean equilibrium positions - this is NOT true about conduction as a means of heat transfer.