

Pharmaceutical Heat Transfer Principles

Pharmaceutical Technology · Answer Key · 4 Questions

1. What is conduction in heat transfer?

- A) Heat transfer through direct contact between molecules**
- B) Heat transfer through the movement of fluids
- C) Heat transfer through electromagnetic waves
- D) Heat transfer through chemical reaction energy

2. Which mode of heat transfer involves the movement of fluids such as liquids or gases?

- A) Conduction
- B) Convection**
- C) Radiation
- D) Induction

3. How is radiation defined in the context of heat transfer?

- A) Heat transfer through direct molecular collision
- B) Heat transfer through liquid circulation
- C) Heat transfer through electromagnetic waves**
- D) Heat transfer through phase changes

4. Conduction is most common in which type of pharmaceutical materials and components?

- A) Gaseous mixtures
- B) Solid materials like reactor walls and pipes**
- C) Boiling liquid solutions
- D) Suspended particles