

Brenner: Pharmacology, 4th Edition

Chapter 01: Introduction to Pharmacology

Test Bank

Multiple Choice

1. A patient is administered a drug in the form of a tablet formulated with an osmotic substance that slowly attracts water. Which characteristic is associated with this preparation?

- A. used to treat constipation
- B. enables almost 100% bioavailability
- C. poses more risks than intramuscular administration
- D. causes a localized effect on the colon
- E. provides sustained drug absorption over many hours

ANS: E. provides sustained drug absorption over many hours

2. Which endeavor is most important for determining the dose-response relationship of a drug?

- A. isolation of a pure drug compound
- B. measurement of the plasma concentration of a drug over time
- C. clinical trials to determine drug efficacy
- D. study of the structure-activity relationship of a drug
- E. development of a sustained-release formulation of a drug

ANS: A. isolation of a pure drug compound