

ABT Practice Test Questions and Answers

1. What does the Ames test evaluate?

- A) Acute toxicity
- B) Mutagenic potential
- C) Carcinogenicity
- D) Neurotoxicity

2. First-order elimination kinetics means that:

- A) A constant amount of drug is eliminated per unit time regardless of concentration
- B) The rate of elimination is directly proportional to the drug concentration
- C) Elimination rate increases exponentially with dose
- D) Half-life increases as dose increases

3. What is the purpose of the LD50 test in toxicology?

- A) To identify the lethal dose for 50% of a test population
- B) To determine the therapeutic dose of a substance
- C) To measure the environmental impact of a substance
- D) To test for chronic toxicity effects

4. What is systemic toxicology primarily concerned with?

- A) The study of environmental pollutants
- B) The effects of toxins on individual organs and organ systems
- C) The genetic mutations caused by toxins
- D) The interaction of toxins with cellular DNA

Answers: 1-B 2-B 3-A 4-B

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