

# Week 1 Concepts: Introduction to Pharmacology

## Introduction to Pharmacology

### Prepare: Introduction to Pharmacology

Which of the following substances can be defined as a drug? Select all that apply.

Lemon water

St. John's

Wort

Marijuana

Ibuprofen

Garlic

Lisinopril

Which term describes the proprietary name for a medication?

Chemical name

Code name

Trade name

Generic name

Which word describes how the drug is delivered through the body?

Excretion

Distribution

Absorption

Administration

### Self Check: How Drugs Move Through the Body

Please place the following in the order they occur in the body:

1. Absorption
2. Distribution
3. Effect
4. Excretion

### Self Check: Drug Names

Using the drop-down menus, choose the correct definition of each name type.

Chemical name: Name describing the molecular structure of a drug

Generic name: Name identifying the drug within a class

Brand name: Proprietary name used for marketing

### Self Check: Drug Naming By Pharmaceutical Companies

Which actions may a pharmaceutical company take to create a new drug? Select all that apply.

Take a generic drug and rename it

Change the way a generic medication is distributed

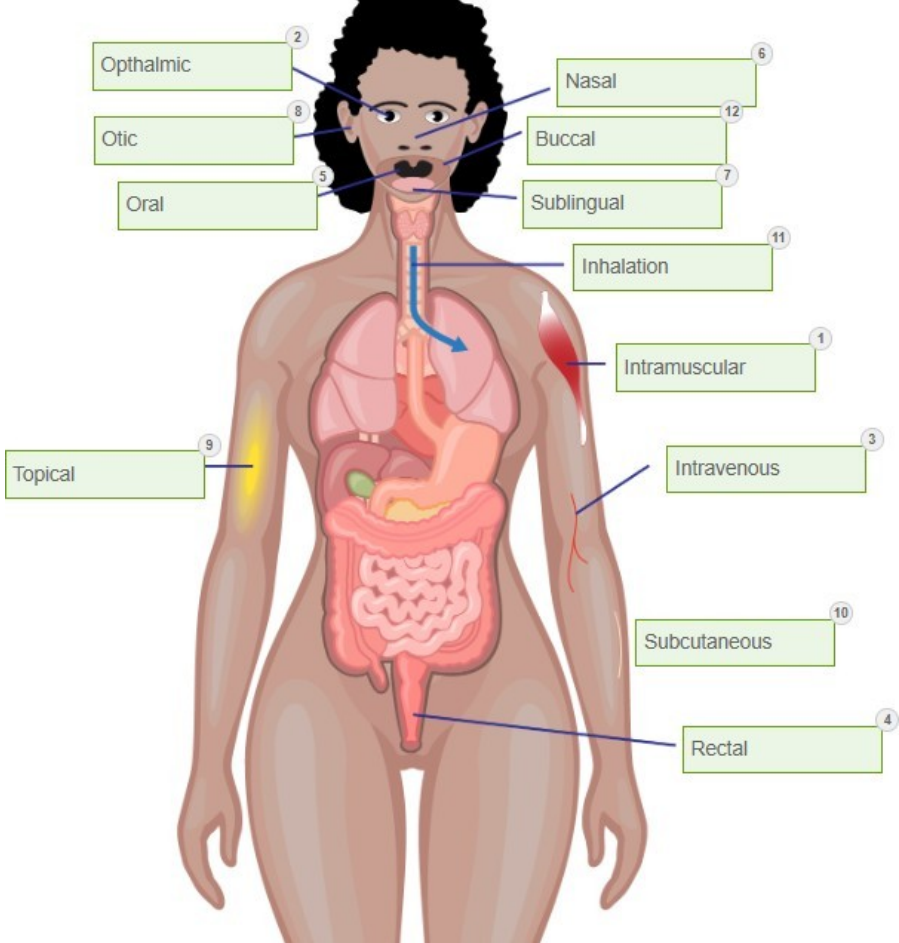
Change the way a generic medication is absorbed

Combine two medications together

Create a new medication

### Self Check: Administration of Medication

Using the labels below, drag and drop the route to the correct location on the image.



## Self Check: Medication

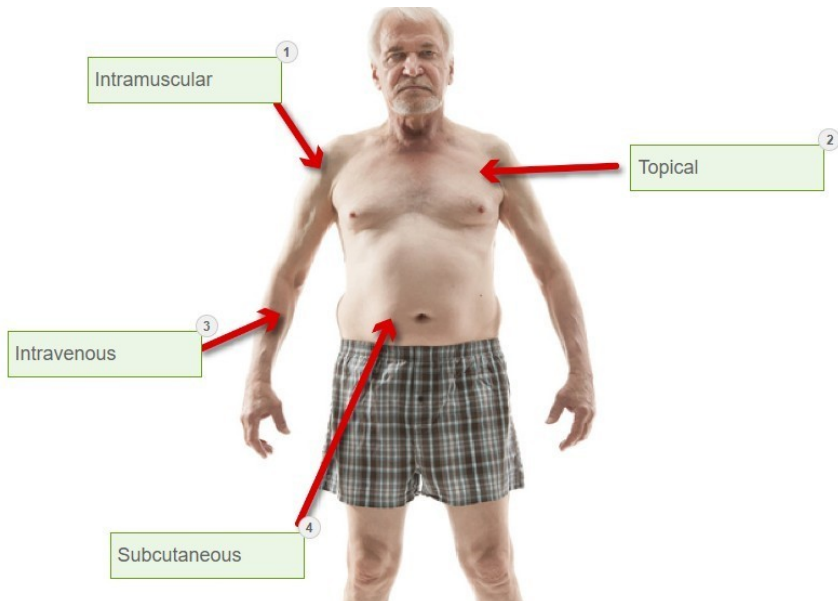
Phenytoin, an anti-seizure drug can cause drowsiness. Which medication related term or phrase best describes the occurrence?

- Adverse drug effect
- Indication
- Drug interaction
- Side effect

## Reflect: Introduction to Pharmacology

### Medication Administration

Match the medication administration route to the correct location on the image.



## FDA Regulations

**The U.S. Food and Drug Administration (FDA) regulates the production of which products? Select all that apply.**

**Prescribed medication**

Child restraint packaging for toys

**Cosmetics**

Grocery stores

**Food labels**

**Dietary supplements**

**Cigarettes**

### **Administering Medication**

**What must the nurse consider when administering a medication? Select all that apply.**

Insurance status

**Cultural issues**

**Age**

**Legal issues**

**Ethical issues**

**Pregnancy Status**

### **Medication Labels**

**Bill is looking at a blood pressure medication. The label says Basicide 10mg/25mg. Which of the following is accurate?**

The label should not be used to identify this medication

If half the medication is taken, the patient gets 10mg total

This medication comes in two dosages

**This is a combination product containing two medications**

### **Medication Names**

**Which name, when used by health care professionals, increases the safe administration of medications?**

Chemical name

Marketing name

Commercial name

Trade name

**Generic name**

### **Medication Errors**

**A medication error just occurred. Prioritize the following actions in order from the first to last actions the nurse must complete.**

1. Assess the patient for an adverse reaction
2. Notify the healthcare provider
3. Review the facilities procedure for adverse event reporting
4. Complete an incident report
5. Reflect on the incident to determine future precautions needed to prevent error

### **Medication Route**

**Select the correct medication route based on location.**