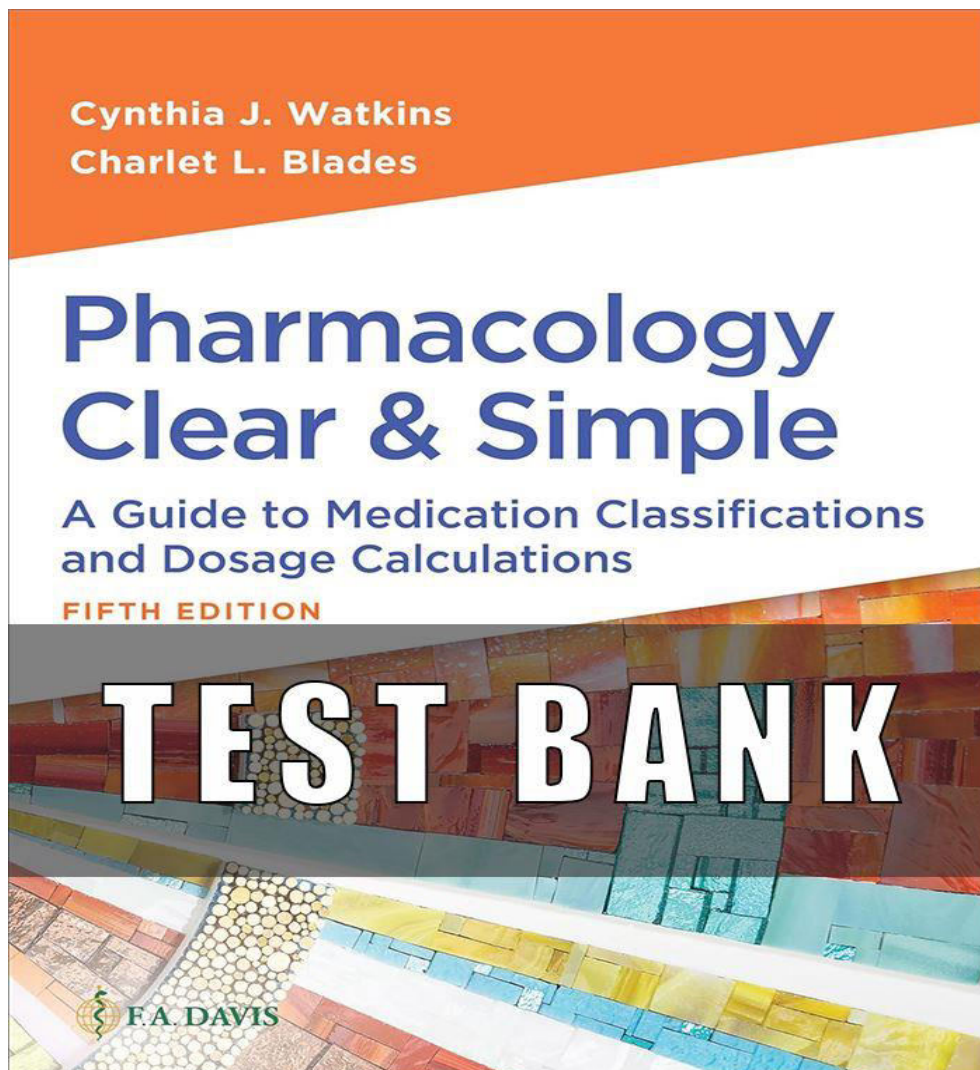


**Test Bank For**  
**Pharmacology Clear and Simple**  
**A Guide to Drug Classifications and**  
**Dosage Calculations**  
**5th Edition**  
**By**  
**Cynthia J. Watkins**



## Chapter 1. History of Pharmacology

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. While caring for a client who is taking furosemide (Lasix), the nurse recognizes dietary teaching has been effective if the patient includes which of the following foods in his daily menus?
- A. Broccoli and kiwi
  - B. Oranges and sweet potatoes
  - C. Kale and cucumbers
  - D. Bananas and melon
- \_\_\_\_\_ 2. A client newly diagnosed with diabetes tells the nurse, —I can't take any insulin made from pigs or cows. Which of the following responses by the nurse is best?
- A. —Most insulin comes from animal sources, but I'm sure alternative options are available.
  - B. —Medications that are derived from animals are typically less expensive than synthetic medications, but synthetic insulin is commonly available.
  - C. —Most insulin is synthetic now to help reduce the risk of disease transmission.
  - D. —The animals aren't hurt in the production of medications, so you don't need to worry.
- \_\_\_\_\_ 3. While providing medications to clients on the cardiac unit, the nurse anticipates that hydralazine hydrochloride and isosorbide dinitrate (BiDil) would most likely be prescribed for which of the following clients?
- A. A 48-year-old Caucasian male diagnosed with atrial fibrillation
  - B. A 55-year-old African American female diagnosed with hypertension
  - C. A 63-year-old Caucasian female diagnosed with sick sinus syndrome
  - D. A 64-year-old African American male diagnosed with heart failure
- \_\_\_\_\_ 4. While caring for a patient scheduled for knee replacement surgery, the nurse provides cefazolin (Ancef) as ordered 30 minutes pre-operatively. The nurse knows that teaching has been effective by which of the following client statements?
- A. —The antibiotic is given as a prophylactic to help reduce the risk of infection after surgery.
  - B. —This is a palliative medication to help ease the pain from surgery.
  - C. —This medication will replace vitamins and minerals that may be lost due to bleeding during surgery.
  - D. —This medication will help the surgeon identify areas of bone destruction due to arthritis.
- \_\_\_\_\_ 5. While caring for a patient with a history of hypothyroidism, the nurse expects which of the following medications to be included in the patient's medication list?
- A. Levothyroxine sodium (Synthroid)
  - B. Estrogen (Estradiol)
  - C. Iodine 131
  - D. Carbimazole (Methimazole)

- \_\_\_\_\_ 6. The nurse is receiving a shift-to-shift report on a medical unit and is informed that a 55-year-old patient with a history of vomiting is scheduled for a diagnostic radiograph of the upper gastrointestinal tract. Which of the following statements would the nurse include in the client's teaching?
- A. —You will need to drink a large amount of prep to clear out your system before the test.||
  - B. —It is important that you be given a prophylactic medication to prevent aspiration during the test.||
  - C. —You will be asked to drink a barium contrast about 30 minutes before the test to help highlight any digestive problems.||
  - D. —You will be given a sedative to help make you sleepy during the testing procedure.||
- \_\_\_\_\_ 7. A student nurse is providing care for a 29-year-old patient with advanced cervical cancer who was recently admitted with metastatic disease. While reviewing the patient's medication list, the student would categorize which of the following medications as palliative in nature?
- A. Cisplatin (Platinol) 50 mg IV weekly to start day 8
  - B. Sorafenib (Nexavar) 200 mg orally twice daily for 7 days
  - C. Ondansetron (Zofran) 4 mg IV prior to chemotherapy
  - D. Morphine sulfate (Roxanol) 5 mg po every 4 hours as needed for pain
- \_\_\_\_\_ 8. A woman experiencing menopausal symptoms asks the nurse about conjugated estrogen (Premarin). Which of the following statements by the individual indicates an understanding of the medication's origin?
- A. —I'm against animal cruelty, so I don't want to take anything made from animal flesh.||
  - B. —I was told the medication is actually derived from the urine of pregnant horses.||
  - C. —Because I'm Jewish, I can't take the medication since it comes from pigs.||
  - D. —I think harvesting medicines from cows seems rather odd.||
- \_\_\_\_\_ 9. The nurse working in a diagnostic center is responsible for verifying client allergies prior to testing. A 47-year-old woman reports being allergic to iodine, and thus is unable to have which test?
- A. Computerized axial tomography (CAT) scan
  - B. Magnetic resonance imaging (MRI)
  - C. Colonoscopy
  - D. Thyroid scan

### Multiple Response

*Identify one or more choices that best complete the statement or answer the question.*

- \_\_\_\_\_ 1. While working with patients in home care, a nurse becomes interested in additional ways to support patient healing and comfort. Which of the following is recognized as an alternative therapy? (Select all that apply.)
- A. Acupuncture
  - B. Aromatherapy
  - C. Therapeutic touch
  - D. Stem cell treatment

- E. Vegetarianism
- F. Acupressure

## Chapter 1. History of Pharmacology

### Answer Section

#### MULTIPLE CHOICE

1. ANS: B                      PTS: 1                      DIF: Moderate                      TOP: Therapeutic Classification: Diuretic  
KEY: Application      MSC: NCLEX Category: Basic Care and Comfort  
NOT: See Minerals (p. 7): Diuretic drugs such as furosemide (Lasix) cause the body to lose excess water through the kidneys, and potassium, a vital mineral is also excreted with the water. Potassium is contained in sweet potatoes, bananas, and oranges.
2. ANS: C                      PTS: 1                      DIF: Moderate  
TOP: Therapeutic Classification: Anti-diabetic medication                      KEY: Analysis  
MSC: NCLEX Category: Pharmacological Therapies  
NOT: See Synthetic Medications (p. 8): Insulin can be obtained from pigs or cows, but a synthetic source is most commonly used. This change occurred because of concern over the possible transmission of diseases from animals to humans. Synthetic medications are usually more inexpensive because they are mass produced.
3. ANS: D                      PTS: 1                      DIF: Moderate  
TOP: Therapeutic Classification: Combination drug (diuretic/nitrate)  
KEY: Analysis                      MSC: NCLEX Category: Pharmacologic and Parenteral Therapy  
NOT: See Synthetic medications (p. 8). BiDil is a combination of two generic drugs and is used to treat African American patients with heart failure.
4. ANS: A                      PTS: 1                      DIF: Easy  
TOP: Therapeutic Classification: Antibiotics                      KEY: Analysis  
MSC: NCLEX Category: Pharmacological Therapies  
NOT: See Categorizing Medications (p. 8): Prophylactic medications are given to prevent problems such as antibiotics given before surgery to prevent infection. Example of cefazolin is listed in Table 1.2.
5. ANS: A  
Difficulty Level: Easy  
  
PTS: 1                      DIF: Easy                      TOP: Therapeutic Classification: Replacement hormones  
KEY: Knowledge      MSC: NCLEX Category: Pharmacological Therapies  
NOT: See Categorizing Medications (p. 9): Replacement drugs are given to replace missing substances. Levothyroxine sodium (Synthroid) is a drug that replaces missing thyroid hormone. Estrogen may be given to women once they enter menopause. Iodine 131 is a radioactive medication used to help diagnose thyroid abnormalities. Carbimazole is used to inhibit the production of thyroid hormone to treat hyperthyroidism.
6. ANS: C                      PTS: 1                      DIF: Moderate  
TOP: Therapeutic Classification: Diagnostic contrast                      KEY: Analysis  
MSC: NCLEX Category: Reduction of Risk Potential  
NOT: See Categorizing Medications (p. 8): Some drugs help diagnose a disease such as barium that patients swallow to help highlight digestive problems on radiograph.
7. ANS: D                      PTS: 1                      DIF: Moderate  
TOP: Therapeutic Classification: Narcotics                      KEY: Analysis  
MSC: NCLEX Category: Pharmacological Therapies  
NOT: See Categorizing Medications (p. 8): Palliative drugs, such as pain relievers, do not cure disease, but they make patients more comfortable. Morphine is listed as an example in Table 1.2. Cisplatin is an antineoplastic agent and sorafenib is a biologic agent; both are designed to treat the cancer (destructive medications), while ondansetron is given in a prophylactic measure to prevent nausea and vomiting related to the chemotherapy.

8. ANS: B                   PTS: 1                   DIF: Moderate  
TOP: Therapeutic Classification: Hormonal therapy                   KEY: Analysis  
MSC: NCLEX Category: Pharmacological Therapies  
NOT: See Sources of Drugs (p. 6): Cows and pigs are good sources of hormone replacements, but conjugated estrogen (Premarin) comes from a pregnant mare's urine.
9. ANS: D                   PTS: 1                   DIF: Moderate                   TOP: Therapeutic Classification: NA  
KEY: Application                   MSC: NCLEX Category: Pharmacological Therapies  
NOT: See Toxins (p. 7): Radioactive iodine in small doses can help pinpoint problems in a patient's thyroid. Because the client is allergic to iodine, she should not have this test.

## **MULTIPLE RESPONSE**

1. ANS: A, B, D, F                   PTS: 1                   DIF: Easy                   TOP: Therapeutic Classification: NA  
KEY: Knowledge                   MSC: NCLEX Category: Basic Care and Comfort  
NOT: See Pharmacology in the 21st century (p. 5): Alternative therapies now seem to have a place in the healing of patients. For example, aromatherapy involves the use of fragrant oils in baths; acupressure originates from an ancient Chinese art. Along similar lines is acupuncture; therapeutic touch involves the use of hand movements to stimulate circulation and healing. Stem cell research is considered mainstream medical treatment. Dietary manipulation may promote health but is not a recognized alternative therapy.

## Chapter 2. Basics of Pharmacology

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. The nurse is preparing to apply valacyclovir (Valtrex) ointment to the shingles lesions located across a client's left side and lower back. Which of the following actions should the nurse take first?
- Place the patient in a supine position.
  - Determine when the rash was first noted.
  - Ensure that the skin is clean and dry.
  - Take the patient's vital signs.
- \_\_\_\_\_ 2. The nurse is providing care for a client at 32 weeks' gestation who started low-molecular heparin injections after developing a deep vein thrombosis. The client asks the nurse, —Why do I have to take a shot? Why can't I take the blood clot medicine that my dad takes orally?‖ Which of the following responses by the nurse is best?
- Anything that is fat-soluble, including warfarin (Coumadin), is able to cross the placental barrier. Heparin is not fat-soluble so it doesn't cross the barrier well.‖
  - The placenta is easily crossed by anything you take by mouth while you are pregnant, but not by things absorbed in other ways.‖
  - Only water-soluble substances such as vitamins can cross the placental barrier, so you could take either medication, but heparin is cheaper.‖
  - They are the same medication, but the shot is absorbed faster than the pill so the doctor wants you to take daily shots.‖
- \_\_\_\_\_ 3. The nurse is providing care to a client with HIV who has been prescribed fosamprenavir (Lexiva). Which of the following statements by the client indicates that further teaching is necessary?
- The metabolites of this medication may be excreted in active form.‖
  - I'm glad my kidneys work so well; otherwise the medication wouldn't work.‖
  - This drug actually has to be broken down by my body to fight the virus.‖
  - Isn't it fascinating that my liver has to metabolize the drug for it to work?‖
- \_\_\_\_\_ 4. The nurse is working with a client who was recently started on insulin therapy. The client's young daughter asks, —Why do you have to give her a shot? Why can't you just give her a pill?‖ Which of the following responses by the nurse is best?
- Our bodies make insulin normally, so it is a liquid medication.‖
  - We do have diabetic medications in pill form. I'm not sure why the doctor ordered it this way for your mom.‖
  - Insulin is manufactured and given this way so it absorbs more rapidly into the body.‖
  - The acid in your mother's stomach would destroy this medication, so it can't be swallowed.‖
- \_\_\_\_\_ 5. The nurse is providing care for a 48-year-old male on the surgical unit. Gentamicin (Garamycin) 2 mg/kg every 8 hours has been started. The nurse would be most concerned by which of the following findings?
- Blood levels have been ordered every 24 hours

- B. The patient's EGFR = 40 mL/min
- C. The patient's hemoglobin = 11.8 g/dL
- D. The patient's WBC = 14,000 c/mm<sup>3</sup>

- \_\_\_\_\_ 6. A 16-year-old client comes to the urgent care clinic with symptoms of tonsillitis. The client tells the nurse she takes tetracycline (Doxycycline) daily for the treatment of acne. The nurse would be most concerned if the health care provider prescribed which of the following?
- A. Amoxicillin clavulanate (Augmentin)
  - B. Cefdinir (Omnicef)
  - C. Cefixime (Suprax)
  - D. Ciprofloxacin (Cipro)
- \_\_\_\_\_ 7. The nurse is providing care for a client experiencing muscle spasms. The physician has ordered cyclobenzaprine (Flexeril). The nurse would inform the client to anticipate which of the following side effects?
- A. Hypocalcemia and hypotension
  - B. Dizziness and drowsiness
  - C. Nausea and headache
  - D. Flaccidity and urinary retention
- \_\_\_\_\_ 8. While caring for clients on the medical unit, the nurse would see which of the following clients first?
- A. A 28-year-old patient with HIV who has a temperature of 99.2°F
  - B. A 54-year-old patient with diverticulitis whose diet was just advanced to solid food
  - C. A 61-year-old patient who takes ibuprofen for arthritis complaining of severe stomach pain
  - D. A 37-year-old patient with a kidney stone who is due for pain medication in 20 minutes
- \_\_\_\_\_ 9. While preparing to provide a patient admitted to the hospital for a laparoscopic hysterectomy the prescribed dose of ibuprofen (Motrin) 800 mg orally, which of the following actions would take highest priority?
- A. Determine if the client has eaten within the past hour.
  - B. Assess the client's vaginal discharge.
  - C. Help the client ambulate in the hall.
  - D. Evaluate the client's most recent renal panel labs.
- \_\_\_\_\_ 10. The nurse is providing care for clients on the orthopedic unit. Which of the following assessment findings is most concerning to the nurse?
- A. A client who takes lisinopril (Zestril) and is complaining of limited range of motion after shoulder surgery
  - B. A client with a fractured pelvis who takes warfarin sodium (Coumadin) and reports having a black tarry stool during the night
  - C. A client 2 days post-op for knee replacement who takes hydrocodone/acetaminophen (Vicodin) and refused to have labs drawn this morning
  - D. A client 4 days after hip replacement surgery taking omeprazole (Prilosec) who ordered spinach for dinner