1. Which statement best describes loop diuretics?
   a. Drugs in this category are potassium sparing.
   b. Loop diuretics act in the ascending loop of Henle.  ANSWER
   c. Loop diuretics are used to reduce intraocular pressure.
   d. These drugs should not be given to patients with <30 ml urine output/hour.

2. A clinic patient taking diuretic agents complains of nocturia? If the problem is directly related to the medication what changes would most likely be helpful?
   ANSWER: Time of administration

3. When is the best time to take oral potassium chloride?
   ANSWER: with meals

4. Which diuretic is potassium sparing?
   a. Lasix® (furosemide)
   b. Aldactone® (spironolactone) ANSWER
   c. Diamox® (acetazolamide)
   d. Hydrodiuril® (hydrochlorothiazide)

5. Osmotrol® (mannitol) is classified as a(n) _______________________________ diuretic.
   a. Loop
   b. Thiazide
   c. Osmotic ANSWER
   d. Carbonic anhydrase inhibitor

6. What is the normal serum sodium level?
   ANSWER: 136-142 mEq/L See Drug Handbook by Wynn, page 1639.

7. What is the normal serum potassium level?
   ANSWER: 3.8-5 mEq/L See Drug Handbook by Wynn, page 1639.

8. Which lab value should alert you to a classic adverse reaction to Aldactone® (spironolactone)?
   a. Serum sodium = 160 mEq/L
   b. Serum sodium = 140 mEq/L
   c. Serum potassium = 3.1mEq/L
   d. Serum potassium = 6.5 mEq/L ANSWER

9. Which classification of diuretics would most likely be effective in treating a head injury patient?
   a. Thiazide
   b. Carbonic anhydrase inhibitor
   c. Osmotic ANSWER
   d. Loop

10. Diamox® (acetazolamide) is most commonly used to treat __chronic open-angle glaucoma__.

11. What is the drug of choice for emergency treatment of conditions involving extreme amounts of edema and/or life-threatening edema?
   ANSWER: Lasix® (furosemide)
12. Which group of diuretics is usually considered to be the safest?
   ANSWER: Thiazides

13. If hyperuricemia occurs as an adverse reaction what signs/symptoms are likely to be present?
   ANSWER: Gout and renal stones are the most common. Look up the term in a medical dictionary or check the website below. Be aware that this condition affects many areas of the body.
   http://www.rxlist.com/gout_gouty_arthritis/article.htm

14. Consumption of alcohol by a patient taking a thiazide diuretic is likely to result in a(n) _________ effect.
   ANSWER: additive (resulting in extreme hypotension)

15. What is the most likely result of an interaction between Diamox® (acetazolamide) and aspirin?
   ANSWER: Check the following website:

16. Which subclassification of diuretics is considered to be the most potent?
   ANSWER: loop diuretics

17. Which group of diuretics is most widely used?
   ANSWER: thiazides

18. For which subclassification of diuretics are salt substitutes prohibited?
   ANSWER: potassium-sparing

19. Which group of diuretics is considered to be the DOC (drugs of choice) for long term management of mild to moderate hypertension?
   ANSWER: thiazides

20. List foods which are considered to be high in potassium.
   ANSWER: Check your nutrition book or the website below:
   http://www.drugs.com/cg/potassium-content-of-foods-list.html