

Answers

CHAPTER 27 HEMATOLOGIC AND LYMPHATIC SYSTEM FUNCTION, ASSESSMENT, AND THERAPEUTIC MEASURES



AUDIO CASE STUDY

Mrs. Casey Receives Blood

1. 15 minutes
2. Febrile
3. Acetaminophen (Tylenol)
4. 4 hours

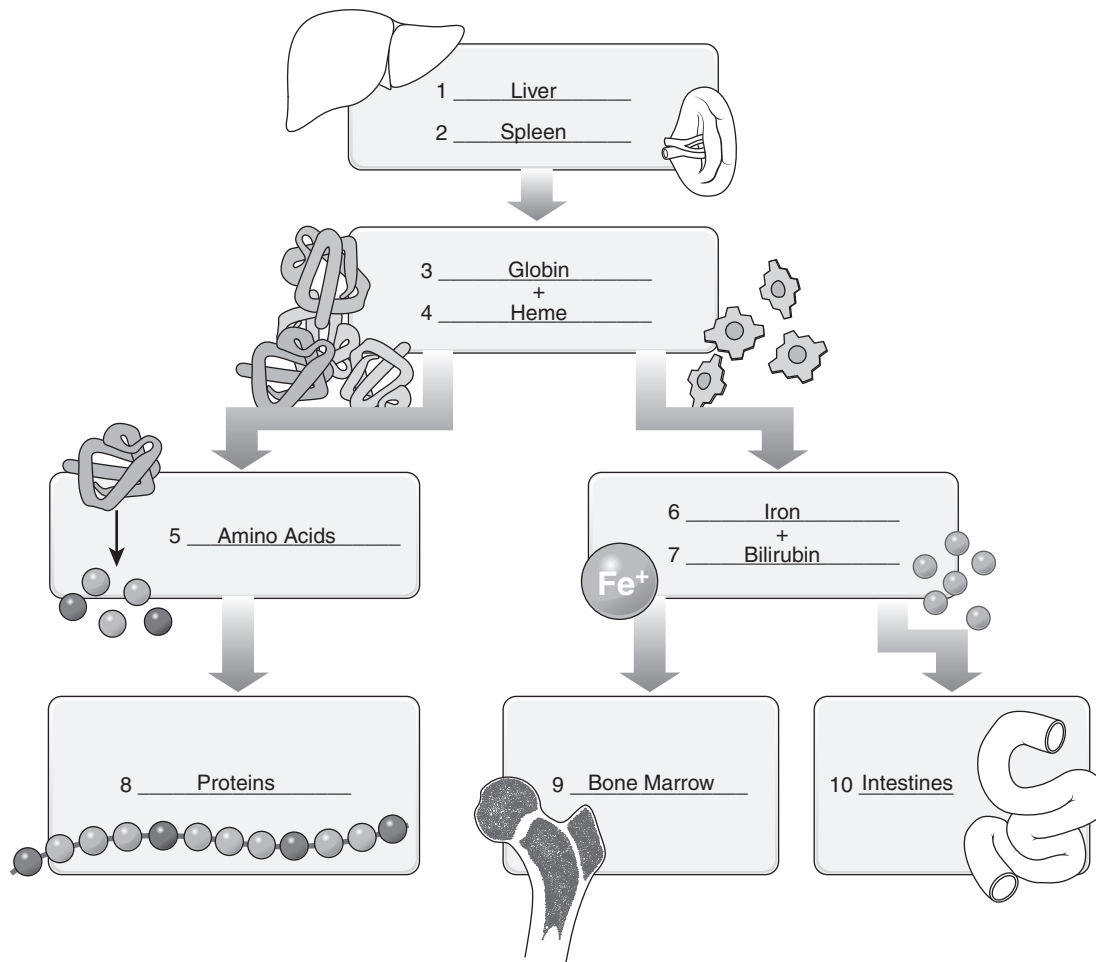
VOCABULARY

1. Ecchymoses
2. Lymphedema
3. Petechiae
4. Purpura
5. Thrombocytopenia

LYMPHATIC SYSTEM REVIEW

1. (2)
2. (4)
3. (5)
4. (1)
5. (3)

STRUCTURES OF THE LYMPHATIC SYSTEM



HEMATOLOGIC SYSTEM REVIEW

1. **(10)**
2. **(6)**
3. **(2)**
4. **(7)**
5. **(9)**
6. **(3)**
7. **(4)**
8. **(1)**
9. **(8)**
10. **(5)**

CRITICAL THINKING

1. Fever may indicate a febrile or hemolytic reaction. Back pain is an early symptom of hemolytic reaction. Respiratory distress may signal circulatory overload or anaphylaxis. Crackles are a symptom of circulatory overload. Hives indicate an urticarial reaction.
2. Even though 20 breaths per minute may be normal, it is an increase for Mr. Foster. A thorough assessment should be done and the registered nurse notified in case this is an early sign of a reaction.

3. The maximum time blood can hang is 4 hours from the time it is picked up from the blood bank.

REVIEW QUESTIONS—CONTENT REVIEW

The correct answers are in **boldface**.

1. **(4)** is correct. (1, 2, 3) are incorrect.
2. **(4)** is correct. (1, 2, 3) are incorrect.
3. **(2)** is correct. (1, 3, 4) are incorrect.
4. **(3)** is correct. (1, 2, 4) are incorrect.
5. **(4)** is correct. (1, 2, 3) are incorrect.
6. **(2, 3, 4, 5, 6)** are correct. (1) is incorrect.

REVIEW QUESTIONS—TEST PREPARATION

The correct answers are in **boldface**.

7. **(2)** is correct. The international normalized ratio should be between 2 and 3; 1.6 is low. (1) is incorrect. The patient is unlikely to bleed with a low international normalized ratio. (3) is incorrect. The dose should be altered only by the health care provider. (4) is incorrect. Vitamin K might be given if the international normalized ratio is prolonged.

8. (3) is correct. The transfusion must be stopped immediately because these are symptoms of a possible deadly hemolytic reaction. (1) is incorrect. A head-to-toe examination would be nice, but this is an emergency and there is no time for that. (2) is incorrect. There is no time for a pain assessment. (4) is incorrect. An analgesic can be administered after emergency care has stabilized the patient.
9. (2) is correct. A bone marrow biopsy is painful. (1) is incorrect. Explaining the procedure to the family should be done, but it is not as important as pain control for the patient. (3) is incorrect. The patient is observed for bleeding after, not before, the procedure. (4) is incorrect. The health care provider can drape the site.
10. (4) is correct. Neutrophils comprise 54% to 75% of the white blood cell count and are a critical component in protecting patients from infection. (1) is a normal white blood cell count. (2) is a low platelet count but increases risk for bleeding, not for infection. (3) is a normal hematocrit level and does not correlate with infection risk.

11. The area the nurse should assess for left inguinal swelling.

