

Hematology 101

Post Test

1. True or False. Hematology is best defined as the study and assessment of sickle cell anemia.

- a. True
- b. False

2. True or False. If a client refuses the hemoglobin test based on religious beliefs, she can still be certified.

- a. True
- b. False

3. The substance in the red blood cell responsible for the red blood cell's color and its ability to pick up oxygen from the lungs is: (Select the correct answer)

- a. Hemoglotin
- b. Hemaglonen
- c. Hemoglobin
- d. Hematacrit

4. This is the most common form of anemia among WIC clients: (Select the correct answer)

- a. Sickle Cell
- b. Vitamin B12
- c. Folic Acid
- d. Iron Deficiency

5. True or False. Tiredness, weakness, and pale skin are all symptoms of anemia.

- a. True
- b. False

6. What are the two most common causes of iron-deficiency anemia? (Select the correct answer)

- a. Lead, malabsorption
- b. Blood loss, Low iron blood
- c. Low iron blood, lack of essential factors
- d. None of the above

7. If a person lives at a high altitude and smokes, she could have this condition (select the correct answer):

- a. Hyberglominea
- b. Hyperhemoglobinemia
- c. Hemoglobinemia
- d. Hyperglobinemia

8. What's the preferred way of having a client warm her hands for the hemoglobin test? (Select the correct answer)

- a. Have her place them under her arms
- b. Have her wash them vigorously under warm water
- c. Have her sit on them
- d. Have her blow on them

9. If you start up the HemoCue machine, and you get an E02 message, what action needs to be taken? (Select the correct answer)

- a. Clean the surface of the machine
- b. Take out the tray and clean the sensor with a damp cotton swab
- c. Call tech support
- d. Put batteries in the machine to see if the error message goes away

10. True or False. When obtaining a blood sample, the size of split pea or more is recommended to fill up the cuvette.

- a. True
- b. False

11. True or False. Work surfaces need to be cleaned at the end of the day, and may be cleaned in between clients also.

- a. True
- b. False

12. When a container of cuvettes is first opened, what do you do? (Select the correct answer)

- a. Write down the serial number of the HemoCue machine on a piece of paper.
- b. Write down the manufacturer's expiration date on a piece of paper.
- c. Write the date of expiration on a piece of paper.
- d. Write that day's date on the side of the container so those using the cuvettes will know when the cuvettes will expire.

13. When opened and sealed properly each time after they are used, how long will the container of cuvettes last from the date they are opened? (Select the correct answer)

- a. 30 days
- b. 45 days
- c. 90 days
- d. 120 days

14. True or False. When wiping the excess blood off the outside of the cuvette on a lint-free wipe, it's important NOT to touch the open-ended area, as this could pull some of the blood sample out.

- a. True
- b. False

15. Which of the following indicates that the HemoCue machine is functioning normally when it's turned on? (Select the correct answer)

- a. Flashing red light
- b. A "Ready For Use" message displayed on the screen
- c. Flashing green light
- d. Three flashing bars

16. What is the meaning of 'Hemolyze'? (Select the correct answer)

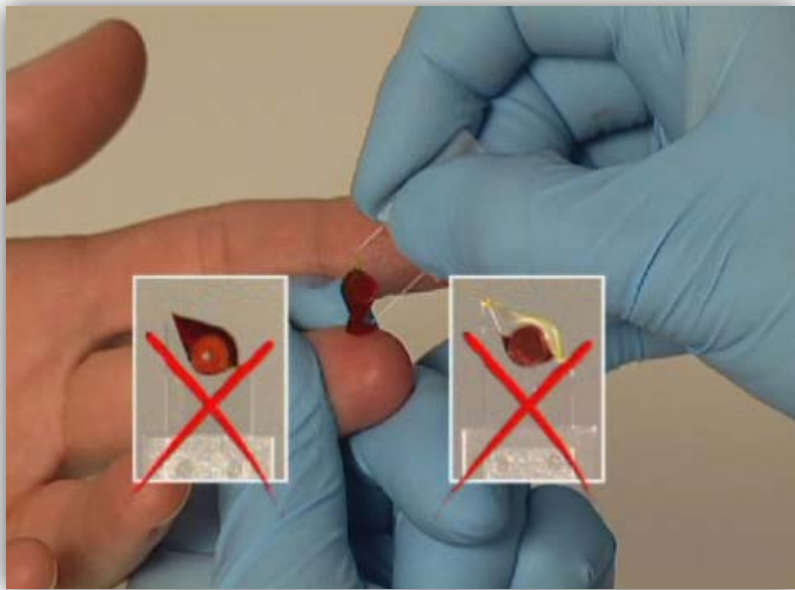
- a. It's when red blood cells clot
- b. It's when red blood cells burst
- c. It's when white blood cells invade red blood cells
- d. None of the above

17. True or False. The site used for the hemoglobin test should be roughly halfway between the finger pad and the nail bed.

- a. True
- b. False

18. True or False., the middle finger is the best finger to use for a finger stick, as it has the best blood circulation.

- a. True
- b. False



19. What best describes the cuvettes in the picture above? (Select the two correct answers)

- a. The blood drop was too big
- b. The client drank too much water prior to her test
- c. An air bubble got into the cuvette
- d. The cuvette was not filled with enough blood

20. How many split pea-sized drops of blood need to be wiped off prior to taking the sample of blood? (Select the correct answer)

- a. 1-2
- b. 2-3
- c. 4-6
- d. 7-9