

Structure and Function in Living Things

Name: _____

Components of Blood

Period: _____

Use Chapter 16, Section 2 of your textbook to answer the questions below.

Section 2: Blood (p.502)

1. You have miles of _____ in your body.



Components of Blood (p.502)

2. The heart, blood vessels, and blood make up the _____ system.

_____ 3. What level of organization is blood?

- a. cell b. tissue c. organ d. organ system

_____ 4. What is blood made of?

- a. oxygen, carbon dioxide, and nutrients c. plasma, red blood cells, platelets, and white blood cells
b. cells, tissues, and organs d. arteries, capillaries, and veins

Plasma (p.502)

_____ 5. What is plasma?

- a. only white blood cells b. only red blood cells c. fluid part of blood d. hemoglobin

Red Blood Cells (p.502)

6. _____ blood cells are red blood cells.

7. Red blood cells carry the gas _____ to other cells.

_____ 8. Which cells receive oxygen from red blood cells?

- a. all cells b. only skin cells c. only muscle cells d. only bone cells

9. _____ attaches to the oxygen you breathe and carries oxygen on red blood cells.

10. Hemoglobin makes your red blood cells _____ in color.

Platelets (p.503)

11. Platelets are parts of cells made in _____ .

_____ 12. Why do platelets clump together?

- a. to produce oxygen b. to reduce oxygen c. to produce blood loss d. to reduce blood loss

White Blood Cells (p.503)

_____ 13. What are pathogens?

- a. disease-causing bacteria, viruses, and other microorganisms c. antibodies
b. large platelets d. tiny fibers

14. _____ carry antibodies that destroy pathogens.

15. White blood cells _____ dead and damaged cells.