Chapter 6

Human Body Systems

Notes

Complete the following sentences.

6.1 Systems

1. A system is made up of many different ☐☐☐☐☐, which work together to perform an overall function.

2. All the vital parts must be present. Each vital part must work properly so that the whole system can ☐☐☐☐☐☐☐☐ well.

3. There are natural and man-made systems.
   (a) Natural systems include living things such as plants and ☐☐☐☐☐☐☐.
   (b) Natural systems also include ☐☐☐-☐☐☐☐☐☐ things such as the solar system.
   (c) ☐☐☐-☐☐☐☐ systems include non-living things such as a car.

6.2 Functions of different systems in the human body

1. Different parts of a system has a specific function. These parts ☐☐☐☐ together to allow the system to perform an overall function.

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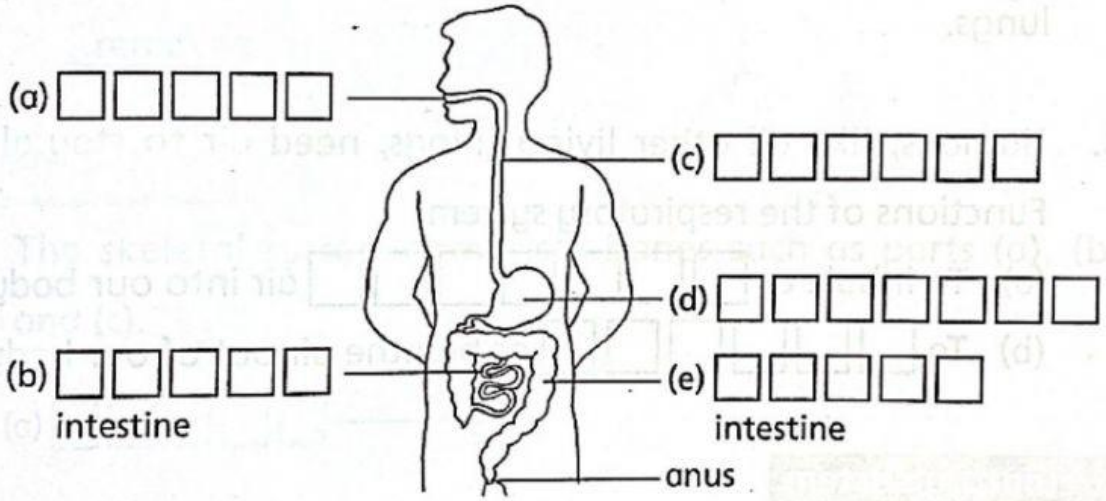
2. The human body comprises many different organ systems. Each organ system carries out important ☐☐☐☐☐☐☐☐☐ to keep a human alive.

3. The ☐☐☐☐☐☐☐☐☐, respiratory, circulatory, skeletal and muscular systems are some examples of body systems.

Digestive system

4. The digestive system comprises parts (a), (b), (c), (d) and (e).



5. Humans, like all other living things, need food and water to stay alive. Functions of the digestive system:
   (a) To break down ☐☐☐☐ into simpler food substances (digested food)
   (b) To ☐☐☐☐☐☐ the digested food into the bloodstream
   (c) To pass out unwanted solid ☐☐☐☐☐ out of the body through the anus

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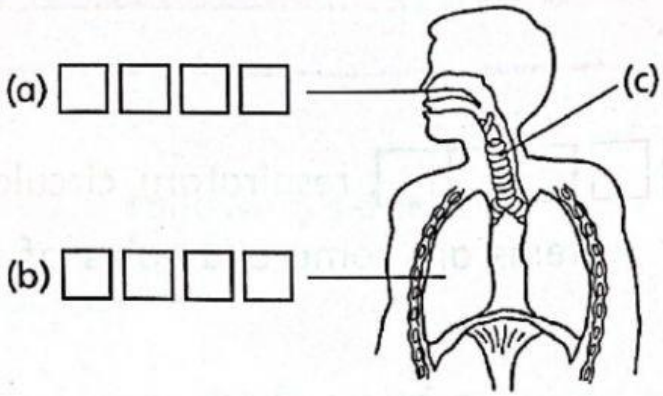
Respiratory system

6. The respiratory system comprises the following parts.

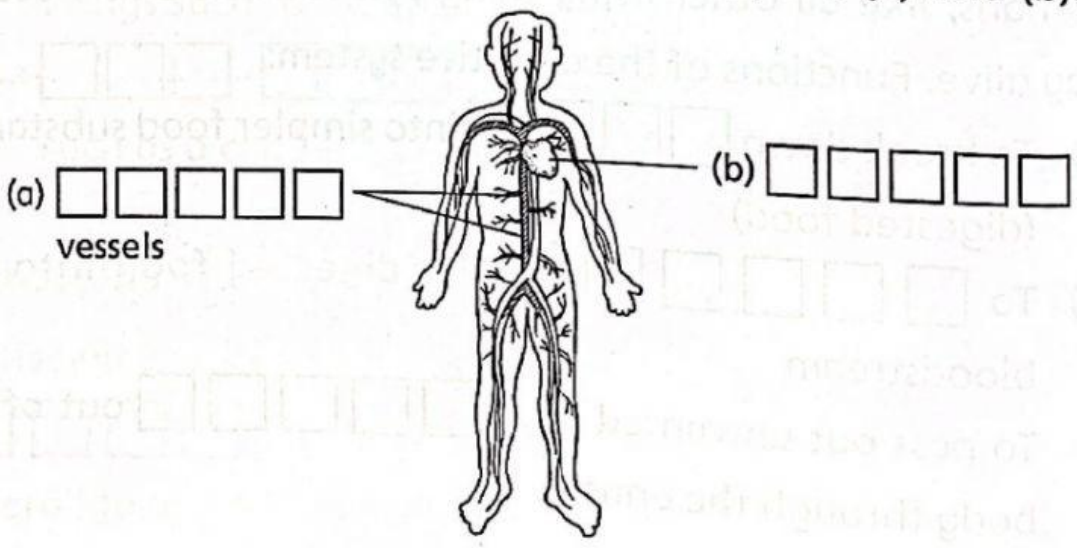


7. Our body absorbs oxygen from ☐☐☐ through the lungs. Also, carbon dioxide is removed from the body through the lungs.

8. Humans, like all other living things, need air to stay alive. Functions of the respiratory system:
   (a) To inhale or ☐☐☐☐☐☐☐ air into our body
   (b) To ☐☐☐☐☐☐ or breathe air out of our body

Circulatory system

9. The circulatory system comprises blood, parts (a) and (b).



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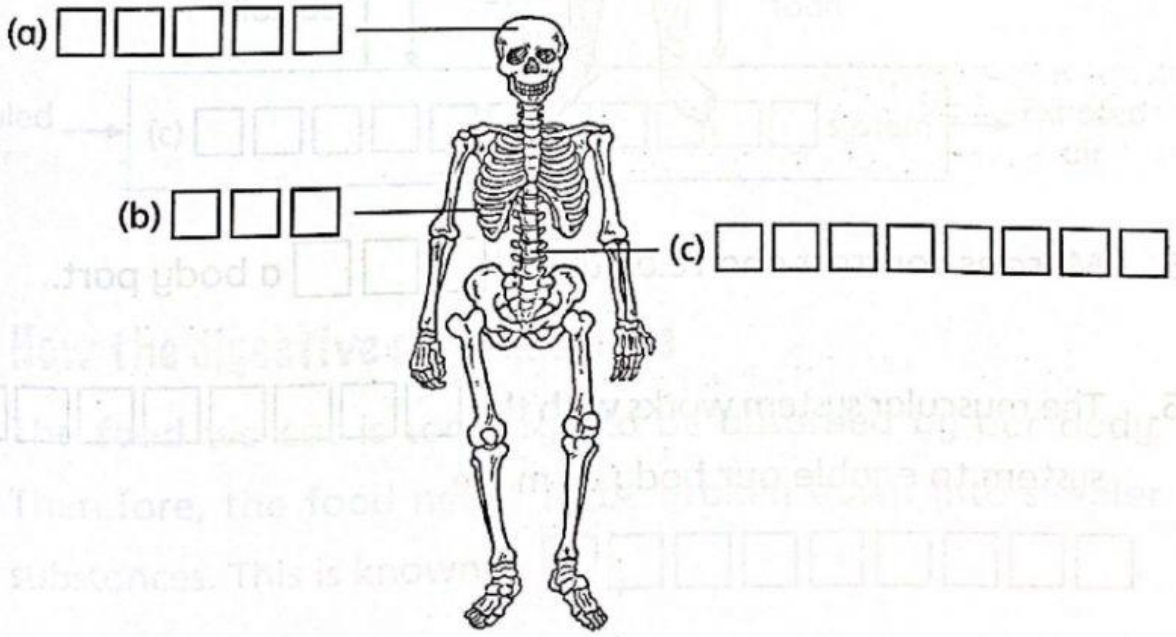
10. The three main types of blood ☐☐☐☐☐☐☐ are the arteries, veins and capillaries.

11. Functions of the circulatory system:
    (a) To carry simpler food substances and water from the ☐☐☐☐☐☐☐☐☐ system to all parts of the body
    (b) To carry oxygen to all parts of the body from the ☐☐☐☐☐☐☐☐☐☐ system
    (c) To carry unwanted wastes from all parts of our body to be removed

Skeletal system

12. The skeletal system comprises bones such as parts (a), (b) and (c).



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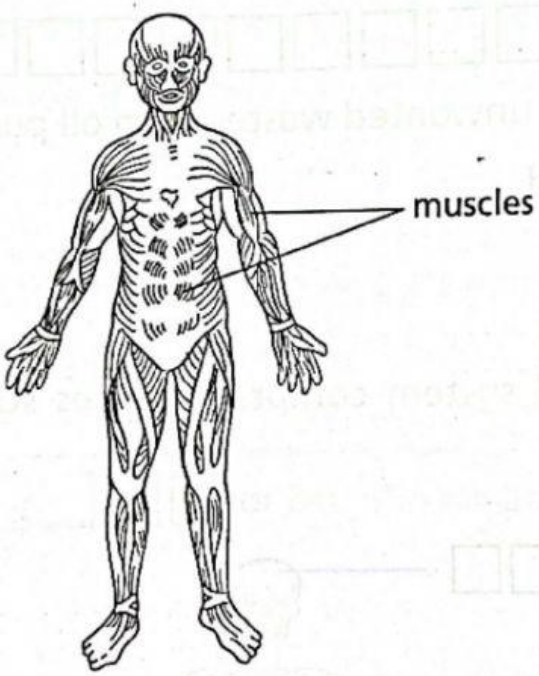
13. Functions of the skeletal system:

(a) To support the body and give the body its ☐☐☐☐☐

(b) To protect important organs. For example, the skull protects our ☐☐☐☐☐ while the ribs protect our lungs and ☐☐☐☐☐.

Muscular system

14. The muscular system comprises ☐☐☐☐☐☐☐.



15. Muscles contract and relax to ☐☐☐☐ a body part.

16. The muscular system works with the ☐☐☐☐☐☐☐☐ system to enable our body to move.

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