

Grade-4 Biology

Ch-5 L-2



What are the respiratory and circulatory system?

Q1) What are the parts of the respiratory systems?

A1) Nose and mouth, pharynx, trachea, bronchi, bronchial tube and lungs with air sacs.

Q2) How does oxygen get into the blood?

A2) Oxygen gets into the blood through walls of the blood vessels that are wrapped around each air sac.

Q3) How does carbon dioxide leave the body?

A3) Carbon dioxide from cells is carried by blood to the lungs and leaves the body when we breathe out.

Q4) Name the three main parts of the circulatory system.

A4) Heart, blood vessels and blood are the main parts of the circulatory system.

Q5) Write the functions of circulatory system.

A5) The heart pumps blood to the body. The blood carries oxygen and nutrients to the body cells and removes waste products from cells.

Q6) Define the following.

a) Arteries- Arteries are the blood vessels that carry oxygenated blood from left side of the heart to the body.

b) Veins- Veins are the blood vessels that carry de-oxygenated blood from the body to right side of the heart.

Q7) How many chambers are there in human heart? Name them.

A7) Four chambers.

1) Right and left atrium    2) Right and left ventricle

Q8) Name the main muscle involved in breathing.

A8) The diaphragm is the main muscle involved in breathing.

Q9) Explain why it is important to move blood through the body?

A9) Blood carries oxygen to cells and carbon dioxide away from cells.

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Q10) How is the walls of trachea made up of?

A10) The walls of trachea are made up of stiff connective tissue called cartilage.