

Respiratory System

- 01) What is respiration?
- 02) Write three changes that take place in air when it passes through the nasal cavity.
- 03) Why is the left lung smaller than the right lung?
- 04) Write the adaptations of alveoli for an efficient gas exchange.
- 05) Mention the function of intercostal and diaphragm muscles in inspiration and expiration.
- 06) Write two other functions of the respiratory system except inspiration and expiration.
- 07) What are the changes in inhaled and exhaled air?
- 08) Write the word equation and balanced chemical equation of aerobic respiration.
- 09) Mention the anaerobic respiration methods of plants and animals and name those processes.
- 10) What is an A.T.P. molecule? Write the functions of an A.T.P. molecule.
- 11) Write the causative agent, symptoms and prevention methods of the following respiratory diseases.
 - a) Bronchitis -
 - b) Common cold -
 - c) Pneumonia -
 - d) Tuberculosis -
 - e) Silicosis -
 - f) Lung cancer -

Excretory System

- 01) What is excretion?
- 02) Why faecal matter is not considered as an excretory material.
- 03) Draw a rough diagram of urinary system and label it. Write the function of each part.
- 04) What is the structural and functional unit of the excretory system.
- 05) Draw the above part and label it.
- 06) Name the excretory organs in human body and mention the materials excreted by each organ.
- 07) What are the three main steps of excretion?
- 08) Name the materials which are not filtered into the Bowman's capsule.
- 09) What are the materials reabsorbed into blood from tubules?
- 10) Write the composition of urine.
- 11) What are the reasons for nephritis?
- 12) Mention the causative agents of kidney failure.