



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 33

Class: IX

Sub: Life Science

Date: 11.06.2020



Topic: Lungs and Mechanism of breathing

F.M. : 15

Choose the correct option:

(1x15=15)

- Human lungs are _____ in shape.
a) Pyramidal b) Conical c) Oval d) Round
- The right and left lung is _____ and _____ lobed respectively.
a) 3 and 2 b) 2 and 3 c) 1 and 2 d) 2 and 1
- The double membrane covering of lungs is called _____.
a) Meninges b) Pleura c) Pericardium d) None of these
- Primary bronchi divide and sub-divide to ultimately _____ bronchioles.
a) Secondary b) Tertiary c) Terminal d) All of these
- The thin walled sac like structures are called :-
a) Alveoli b) Saccule c) Vestibule d) Ducts
- Alveoli are present on :-
a) Bronchi b) Secondary Bronchioles c) Primary bronchioles d) Alveolar ducts
- The following is the characteristic of alveoli :-
a) Thin membrane b) Moist surface c) Richly supplied with blood capillaries d) All of these
- Exchange of gases takes place in between the blood in the _____ and air present in the _____.
a) Artery and bronchioles b) Capillaries and alveoli c) Artery and alveolar duct d) Capillaries and bronchi
- The _____ is a dome-shaped structure which separates the thoracic cavity from abdominal cavity.
a) Trachea b) Larynx c) Diaphragm d) Alveolus
- The process by which air from atmosphere enters into the lungs is called :-
a) Inspiration b) Expiration c) Oxidation d) Breathing
- Inspiration is a / an _____ process while expiration is a / an _____ process.
a) Passive, active b) Passive, passive c) Active, passive d) Active, active
- During the inspiration the following contracts to increase the volume of thoracic cavity :-
a) Diaphragm b) External Intercostal muscles c) Internal intercostal muscles d) Both diaphragm and external intercostal muscles

13. Due to the increase in volume the pressure in the thoracic cavity _____.
- a) Decreases b) Increases c) Remains unchanged d) None of these
14. The physics law which governs the mechanism of Breathing is _____.
- a) Charle's law b) Boyle's Law c) Van-der-waal's law of attraction d) All of these
15. The process of Expiration results in contraction _____ to decrease the volume of chest cavity.
- a) Internal intercostal muscles b) External intercostal muscles c) Diaphragm d) Both diaphragm and intercostal muscles

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