



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)

1. Human lungs are _____ in shape.

- a) Pyramidal b) Conical c) Oval d) Roubd

Answer : Conical (b)

2. 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

Answer : 3 and 2 (a)

3. The double membrane covering of lungs is called _____.

- a) Meninges b) Pleura c) Pericardium d) None of these

Answer : Pleura (b)

4. Primary bronchi divide and sub-divide to ultimately _____ bronchioles.

- a) Secondary b) Tertiary c) Terminal d) All of these

Answer :Terminal (c)

5. The thin walled sac like structures are called :-

- a) Alveoli b) Saccule c) Vestibule d) Ducts

Answer : Alveoli (a)

6. Alveoli are present on :-

- a) Bronchi b) Secondary Bronchioles c) Primary bronchioles d) Alveolar ducts

Answer : Alveolar ducts (d)

7. The following is the characteristic of alveoli :-

- a) Thin membrane b) Moist surface c) Richly supplied with blood capillaries d) All of these

Answer : All of these (d)

8. 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

Answer : Capillaries and alveoli (b)

9. The _____ is a dome-shaped structure which separates the thoracic cavity from abdominal cavity.
a) Trachea b) Larynx c) Diaphragm d) Alveolus
Answer : Diaphragm (c)
10. The process by which air from atmosphere enters into the lungs is called :-
a) Inspiration b) Expiration c) Oxidation d) Breathing
Answer : Inspiration (a)
11. Inspiration is a / an _____ process while expiration is a / an _____ process.
a) Passive, active b) Passive, passive c) Active, passive d) Active, active
Answer : Active, passive (c)
12. 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
Answer : Both diaphragm and external intercostal muscles (d)
13. Due to the increase in volume the pressure in the thoracic cavity _____.
a) Decreases b) Increases c) Remains unchanged d) None of these
Answer : Decreases (a)
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
Answer : Boyle's Law (b)
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
Answer : Inter intercostals muscles (a)