

1. A - Plants lack excretory organ
R - Plants usually absorb essential nutrients
A ~~(a)~~ Both A & R are true & R is correct explanation of A

2. A - In anaerobic respiration, one of end product is alcohol
R - There is an incomplete breakdown of glucose
A. (a) Both A & R are true & R is correct explanation of A

3. A - In plants there is no need of specialised respiratory organ
R - Plants do not have great demands of gaseous exchange
A ~~(a)~~ A is true but R is false

4. A - Bile is essential for digestion of lipids
R - Bile juice contains enzymes
A ~~(a)~~ Both A & R are false

5. A - Carbohydrate digestion mainly takes place in small intestine
R - Pancreatic juice contains the enzyme lactase
A A is true but R is false

6. A - Aerobic respiration requires less energy as compared to anaerobic respiration
R - Mitochondria is the powerhouse of cell
A - A is false but R is true

7. A - Arteries are thick walled & elastic in nature
R - Arteries have to transport blood away from heart

A - Both A & R are true but R is not correct explanation of A.

8. A - Human heart is four chambered
R - Vena Cava is only artery that supplies deoxygenated blood to heart

A - A is true & R is false

9. A - Energy is required to carry out different life processes

R - Energy is obtained in form of ATP in mitochondria.

A - Both A & R are correct & R is correct explanation of A

10. A - Rings of cartilage are present in

Throat,

R - There ensure that the air-passage does not collapse

A. Both A & R are correct explanations of R is correct explanation of A.

11. A. Pyruvate is a 6-carbon molecule.
R - It is prepared in cytoplasm at the first step to cellular respiration.
A is false but R is true

12. A - Molecular movements are needed for life.

R - Body structures made up of these molecules need continuous repair & maintenance

A. A & R are true & R is correct explanation of A

13. A - Diffusion does not meet high energy requirements of multi-cellular organisms.
R - Diffusion is a fast process but occurs at the surface of body.
A is true but R is false