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## **ANSWER SCHEME**

Respiration and Gaseous Exchange

## Section A

- 1. B
- 2. C
- 3. C
- 4. C
- 5. A
- 6. B
- 7. B
- 8. A
- 9. A
- 10.C

## **Section B**

- 11.The cuticle
- 12.Gill bars
- 13. Gaseous exchange
- 14.Spiracles
- 15.Respiration

## **Section C**

16.

- > It is moist to dissolve gases
- ➤ It is well ventilated to maintain a constant diffusion gradient
- > Large surface area to maximize gaseous exchange

17.

- Oxygen is used in aerobic respiration while oxygen is not used in anaerobic respiration
- Aerobic respiration produces more energy while anaerobic respiration produces less energy.
- ➤ Aerobic respiration produces carbon-dioxide, water and oxygen while anaerobic respiration produces ethanol and carbon-dioxide for plants and lactic acid for animals.

18.

> The mouth opens

> The operculum closes

19.0% 20.4%



A top student's secret tool