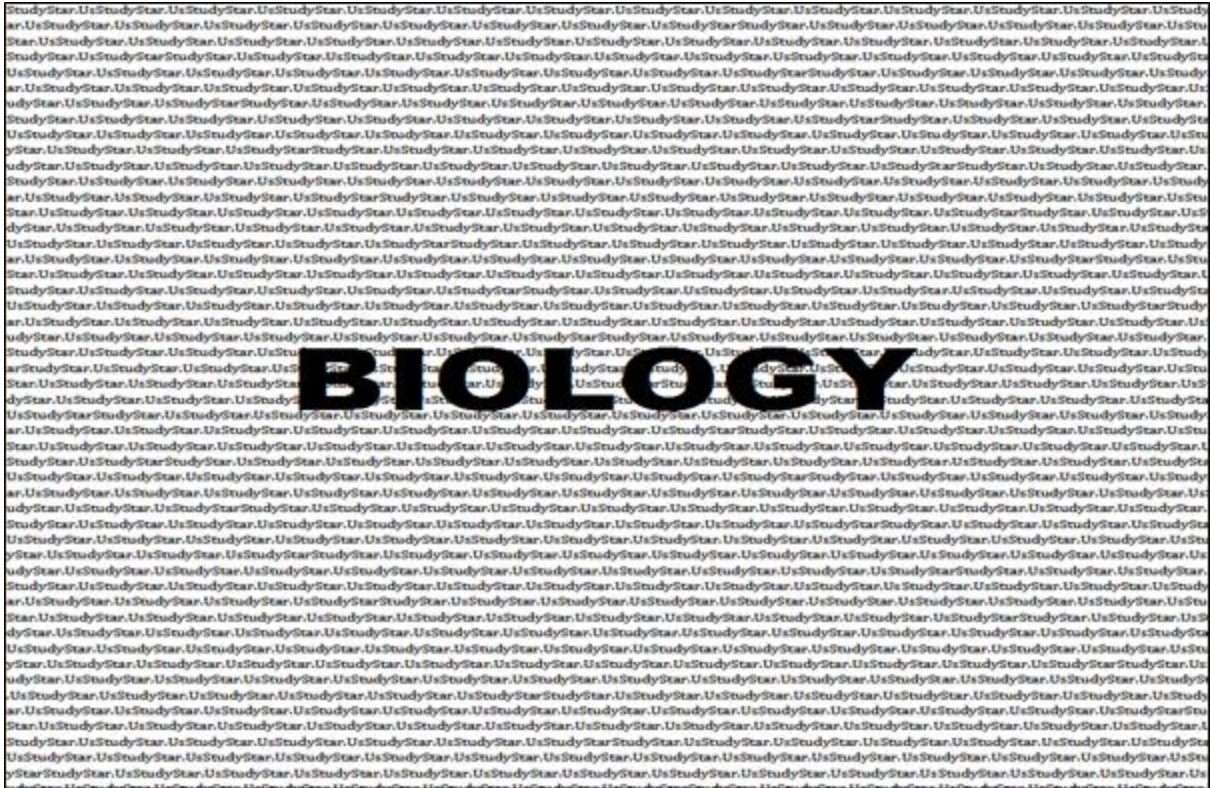




ANSWER SCHEME

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%

21.



A top student's secret tool