



Science Department Multiple Choice Answer Sheet

Test Topic: _____ Name: ANSWERS Year:

Multiple Choice – 10 questions.

Circle your choice. If you change your mind, scrub your choice out and circle the one you want. If it is messy, clearly write your choice next to question.

- | | | | | |
|-----|----------|----------|----------|----------|
| 1. | A | B | C | <u>D</u> |
| 2. | <u>A</u> | B | C | D |
| 3. | <u>A</u> | B | C | D |
| 4. | A | B | <u>C</u> | D |
| 5. | A | B | C | <u>D</u> |
| 6. | <u>A</u> | B | C | D |
| 7. | A | B | C | <u>D</u> |
| 8. | A | <u>B</u> | C | D |
| 9. | A | B | C | <u>D</u> |
| 10. | A | B | <u>C</u> | D |

Written Section:

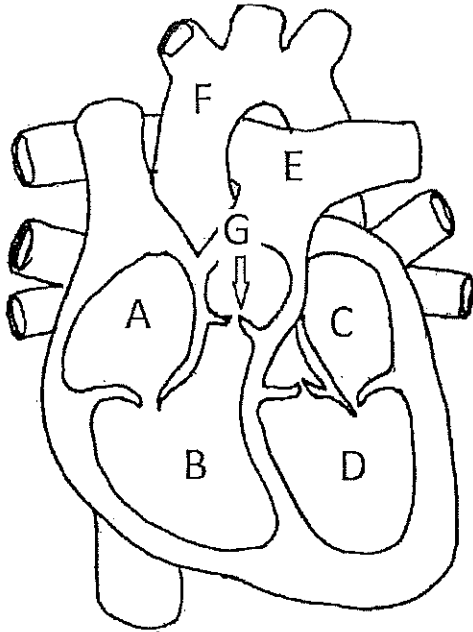
Write your answers for the written section below. Ask your teacher if you need more paper.

SECTION 2: WRITTEN

25 MARKS

Write your answers in the spaces on the answer sheet provided.

1. a. Label the following diagram of the heart (7 marks)



A - R Atrium

B - R Ventricle

C - L Atrium

D - L Ventricle

E - Pulmonary Artery

F - Aorta

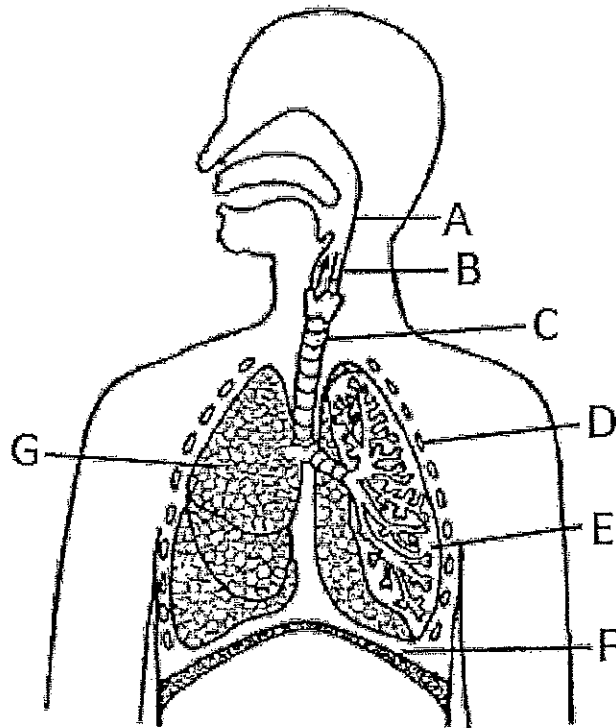
G - Semilunar Valve / pulmonary valve (1/2) Valve

(1) each.

- b. Veins usually carry deoxygenated blood. Explain why the pulmonary vein is an exception. (2 marks)

① Ven carry blood back to heart
carry blood from lungs back to heart
so left side of heart
① can pump oxygenated blood

2. a. Label the following diagram of the respiratory system (3 marks)



A - pharynx

C - trachea

D - Ribs

E - alveoli

F - diaphragm

G - lung

($\frac{1}{2}$ each)

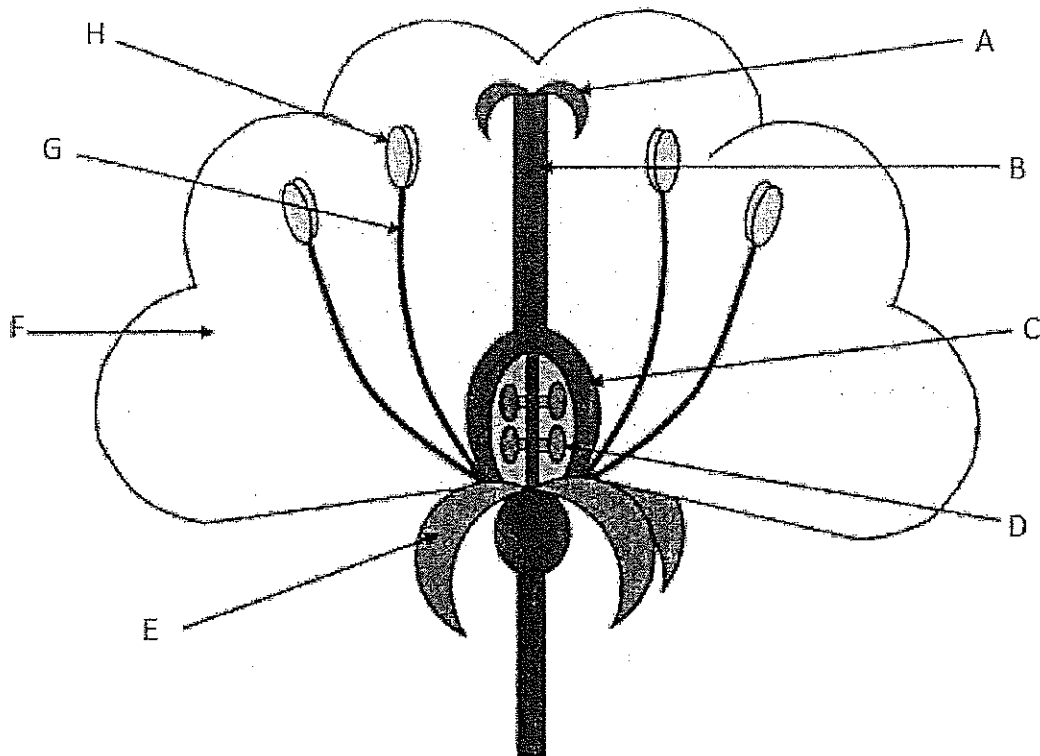
b. What is the shape and purpose of the cartilage found in the trachea? (2 marks)

C - shaped. (1)
- hold trachea open to allow

air / O₂ to enter lungs (1)

3. a. Label the following diagram

(3 marks)



A - Stigma

B - Style

C - Ovary

D - ovule

G - filament

H - anther

b. Not all plants depend on flowers to reproduce. Name a method of reproduction a plant may use to reproduce that does not involve a flower. Use an example explain the method. (3 marks)

① - any of following - vegetative propagation
 - cuttings / cloning
 -
 eg - Tuber Root sucker. } ② Example
 - Rhizome. } any one of
 - bulbs
 - runner

4. Complete the following table.

(5 marks)

	Asexual	Sexual
Definition	A form of reproduction where one parent produces the offspring	A form of reproduction where 2 parents produce offspring (1)
Advantage	* parents suited to environment offspring well adapted (1) Any	* Increase genetic diversity (1)
Disadvantage	* when organisms are identical - possibility of disease wiping it out or	* Amount of energy attracting mate. (1)

- ↓ genetic diversity (1)

END OF TEST (Total 40 MARKS)