



Year 8 Science 2018

Biology 2 Test: Systems

Name: Solutions

Blue

SECTION 1: MULTIPLE CHOICE (1 mark each)

Circle your answer on the multiple choice answer sheet.

1. What makes up most of the volume of blood?
 - a) red blood cells
 - b) white blood cells
 - c) platelets
 - ☒ d) plasma
2. The trachea belongs to which system?
 - ☒ a) respiratory
 - b) reproductive
 - c) excretory
 - d) circulatory
3. A component of the heart that prevents the reverse flow of blood is called the:
 - a) vena cava
 - b) right atrium.
 - ☒ c) atrioventricular valve.
 - d) aorta.
4. The name of the biological catalyst that increases the rate of chemical reaction without being used up is called:
 - a) an acid.
 - b) a red blood cell.
 - c) a platelet.
 - ☒ d) an enzyme.
5. Which statement is true?
 - a) The majority of gas exchange in humans occurs in the mouth.
 - ☒ b) The majority of gas exchange in humans occurs in the alveoli.
 - c) The majority of gas exchange in humans occurs in the rib cage.
 - d) The majority of gas exchange in humans occurs in the trachea.
6. The part of the digestive system that produces bile (a chemical that helps break down fats and oils), stores and releases blood sugars and breaks down alcohol is the:
 - a) stomach
 - b) large intestine
 - c) anus
 - ☒ d) liver

7. Blood sugar levels are regulated by the hormone:
- a) insulin
 - b) small intestine
 - c) platelets
 - d) enzymes
8. Blood pressure is measured by using a:
- a) anemometer
 - b) thermometer
 - c) barometer
 - d) sphygmomanometer
9. Which part of the digestive system is responsible for the storage and concentration of bile?
- a) gallbladder
 - b) liver
 - c) pancreas
 - d) stomach
10. Which type of blood cell has haemoglobin within its structure?
- a) leucocytes
 - b) thrombocytes
 - c) erythrocytes
 - d) plasma

Biology 2 Body Systems Test

Solutions

SECTION 1: Multiple Choice Answers

Circle your selection

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

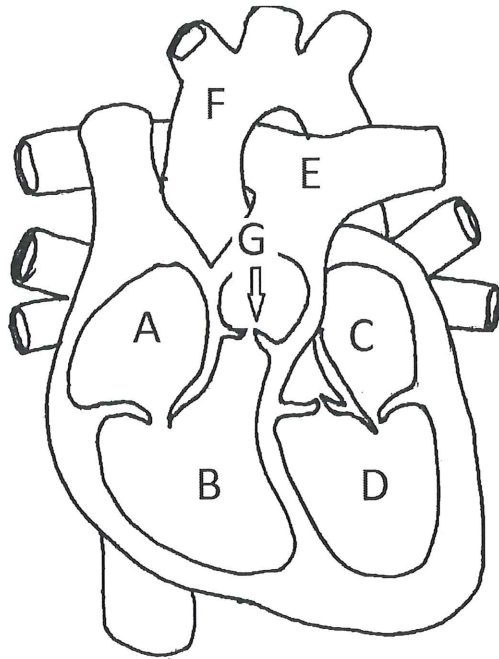
Multiple choice: ____ / 10 Marks

SECTION 2: WRITTEN

Write your answers in the spaces provided.

1. Label the following diagram of the heart

(3 marks)



A - right atrium

B - right ventricle

C - left atrium

D - left ventricle

E - pulmonary artery

F - aorta

G - valve

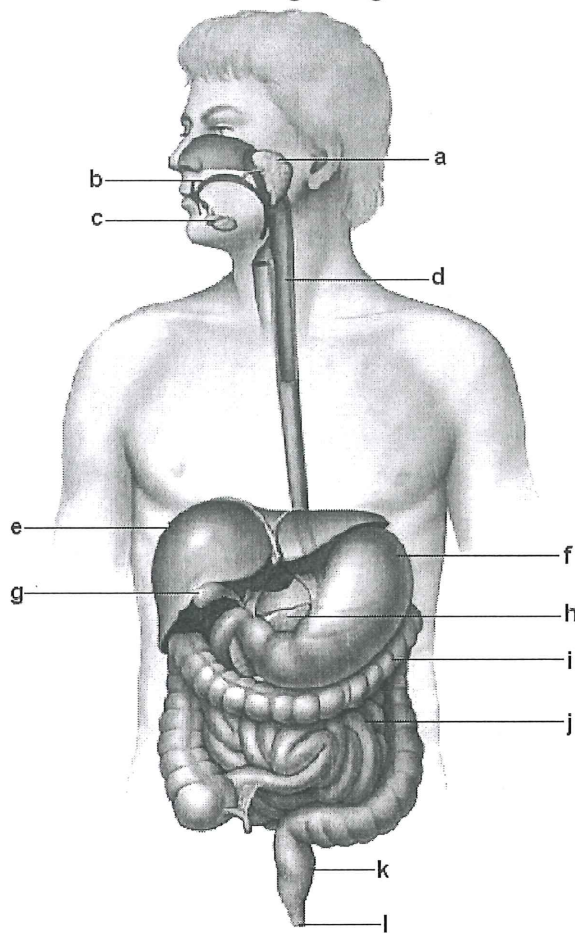
(3) all correct

(2) 1 incorrect

(1) 2 incorrect.

(0) 3 or more incorrect.

2. Label the following diagram of the digestive system (4 marks)



b - mouth ^{or oral cavity}
 ^{↳ tongue}

d - esophagus

e - liver

f - stomach

i - large intestine

j - small intestine

k - rectum

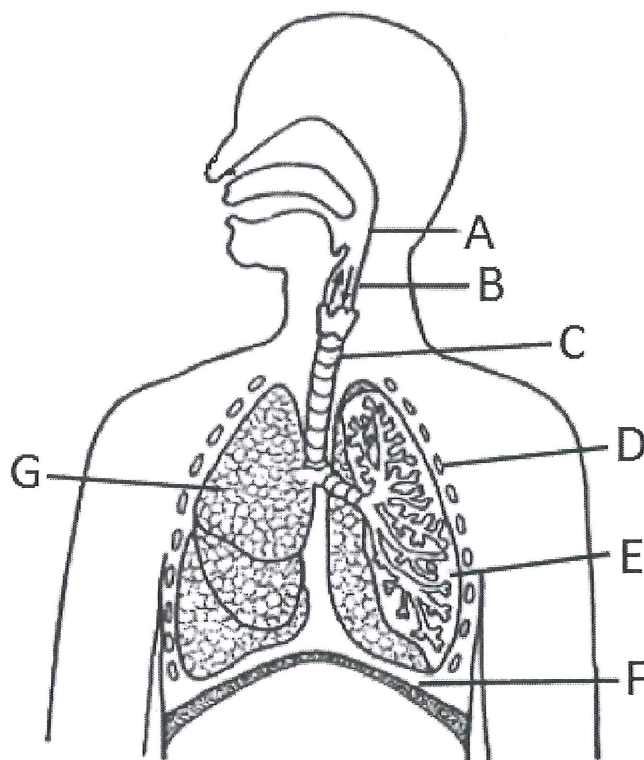
l - anus

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

(4) total

3. Label the following diagram of the respiratory system

(5 marks)



C - trachea

D - ribs

E - alveoli

F - diaphragm

G - lung

① each.
⑤ total.

Section 2: _____ / 12 Marks

END OF TEST

TEST TOTAL: _____ / 22 Marks