

22 October 2014

2nd Year Mid-term Science Test

Name: _____

The picture shows the teeth of a fox.

Name the **large pointed teeth** at the front of the fox's mouth.



① Name _____

What is the function of this type of tooth?

② Function _____

Blood contains white blood cells, red blood cells and platelets.

- ③ In the table write the letter **O** beside the part of the blood that **carries oxygen**.

- ④ Write the letter **F** beside the part of the part of the blood that **fights infection**.

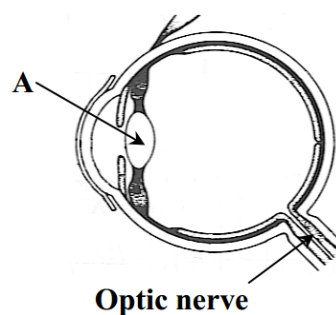
	Red blood cells
	Platelets
	White blood cells

The diagram shows the structure of the eye.

- ⑤ **Name** the part labelled **A**.

Name _____

- ⑥ What is the function of the **optic nerve**?



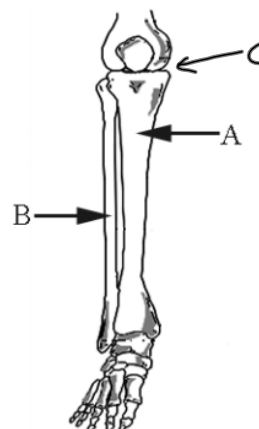
- ⑦ The optic nerve, labelled on the diagram, carries information from the eye to the brain.

Is the optic nerve an example of a sensory nerve or a motor nerve?

Name bone A and bone B of the lower leg.

8 Bone A _____

9 Bone B _____

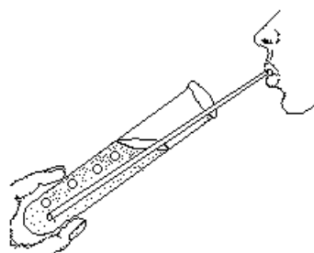


10 Name the type of joint at C: _____

Carbon dioxide is released from our excretory system.

Name the liquid solution you would use to show that carbon dioxide is present in exhaled air.

11 Name _____

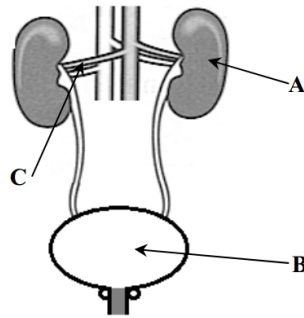


What happens to the colour of this liquid if carbon dioxide is bubbled through it as shown in the diagram?

12 _____

The diagram shows the urinary system.

(12)



Choose the correct word from the list on the right for the parts labelled A and B.

(13) A _____

(14) B _____

Lung
Kidney
Bladder
Liver

What is the **function** of the part labelled B?

(15) **Function** _____

Choose the correct word from the list on the right to name the artery labelled C in the diagram.

(16) C is the _____ artery.

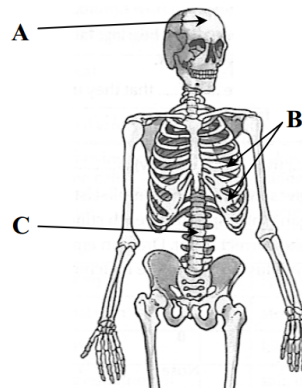
Renal
Pulmonary

(i) Name the parts labelled A, B and C.

(17) A _____

(18) B _____

(19) C _____



(ii) One of the main functions of the skeleton is protection.

(20) **Name** the part of the body that is protected by part A of the skeleton. _____

State one other **function** of the skeleton.

(21) _____

Respiration is the release of energy from digested food e.g. glucose.

Complete the word equation given below using words from the list on the right.

Water
Oxygen

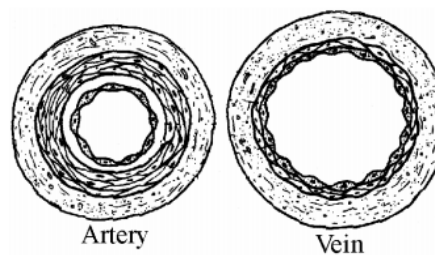
Glucose + ²²_____ → Energy + Carbon dioxide + ²³_____.

The diagram shows cross sections of an artery and of a vein. Why do *arteries have much thicker walls* than veins?

²⁴ Why? _____

Give **one** other *structural difference* between arteries and veins.

²⁵ Difference _____



A pupil performed an experiment in a school laboratory to show the action of a *digestive enzyme* on a *food substance*.

26 Name an *enzyme* suitable for such an experiment. (3)

27 Name a *food substance* on which the enzyme that you have named will act. (3)

28 Give the *temperature* at which the enzyme-food mix should be maintained for the experiment to work. (3)

29 Describe a *test* to confirm that digestion has occurred.

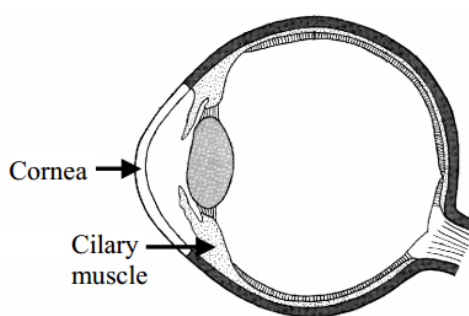
The diagram shows the human eye.

Give the functions of the cornea and of the ciliary muscle.

30 Function of cornea _____

Function of ciliary muscle _____

31 _____

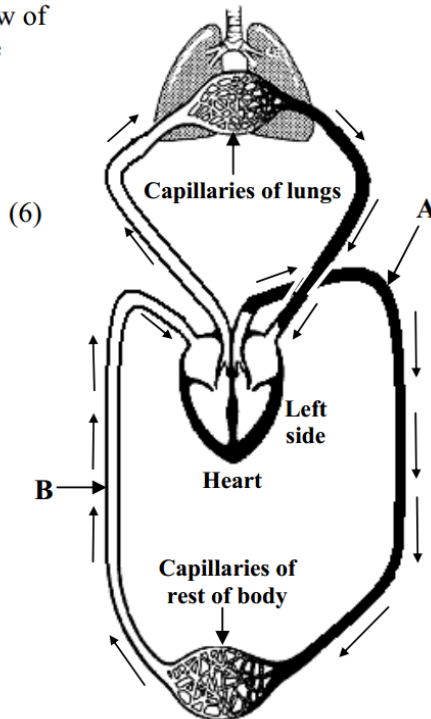


The simplified diagram shows the flow of blood through the lungs, heart and the rest of the body.

Name the blood vessels labelled **A** and **B**.

(32) **A** _____

(33) **B** _____

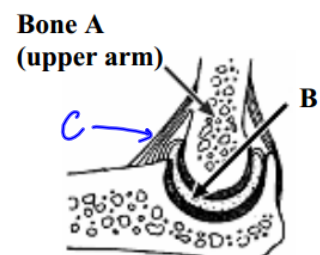


The diagram shows the structure of an elbow.

Name **bone A** and identify the **type** of moveable **joint B**.

(34) Name of bone A _____

(35) Type of joint B _____

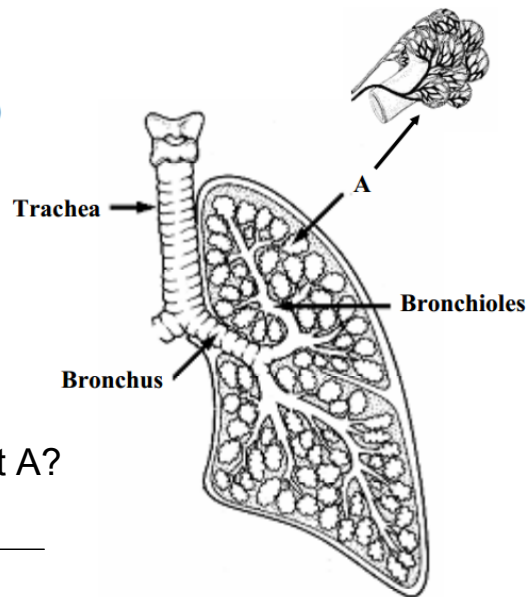


(36) What is C?

The diagram shows the structure of a human lung. Air passes in and out of the lungs, via the trachea, bronchi and bronchioles. *Gaseous exchange* takes place in the structures labelled A.

Name **structure A**. (3)

(27)



What gases are excreted at A?

(38)

(39)

The diagram shows a person's *pulse rate* being taken.

(40)

What causes a *person's pulse*?

(3)



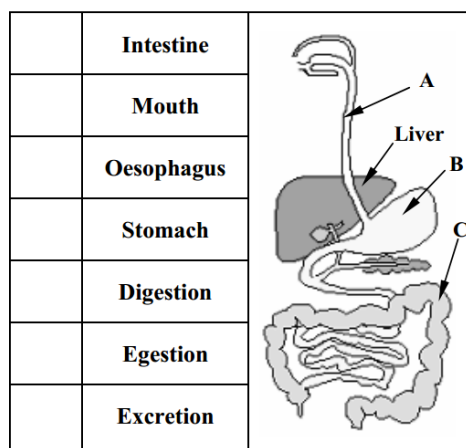
(41)

What would cause the pulse rate to increase?

(42)

What is the average resting human pulse rate?

The diagram below shows the **human digestive system**.
Examine the diagram and answer the questions that follow.



(43) In the table write the letter **A** beside the name of **the part** labelled **A**.

(44) Write the letter **B** beside the name of **the part** labelled **B**.

(45) Write the letter **F** beside the **function** of the part labelled **B**.

The large intestine is labelled **C** in the diagram.

(46) State one **function of the large intestine**.

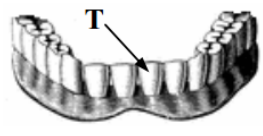
(47) In the table write the letter **L** beside the name of an **organ which detects light**.

(48) Write the letter **S** beside the name of an **organ which detects sound**.

	Brain
	Eye
	Heart
	Ear

(49) A tooth is labelled **T** in the diagram.
Write the letter **T** beside the type of **tooth** labelled **T**.

(50) Write the letter **F** beside the word on the right which describes the **function** of this type of tooth.

	
	Canine
	Incisor
	Chewing
	Biting

(6)