

Science

Year 6 Topic Test

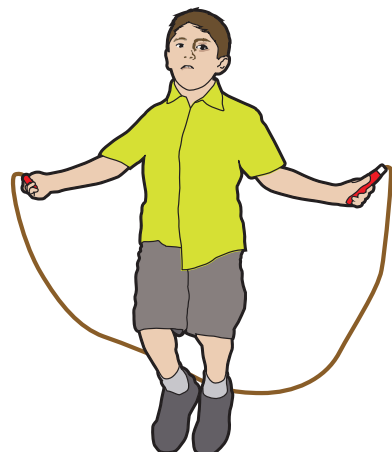
Animals, including humans

Name:

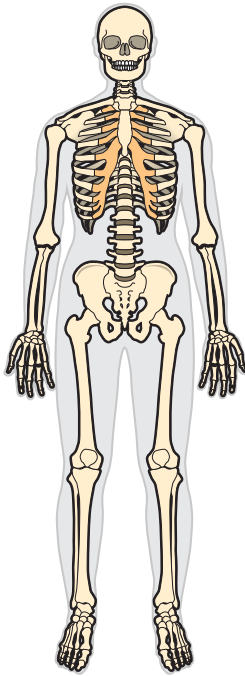
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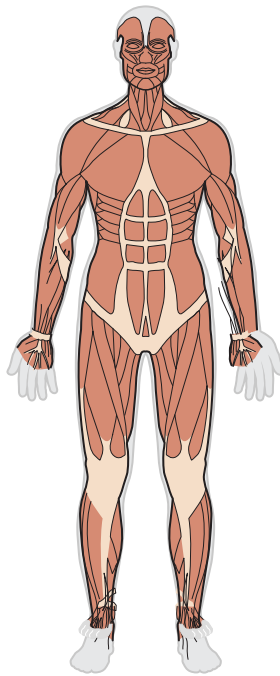
Raw Score



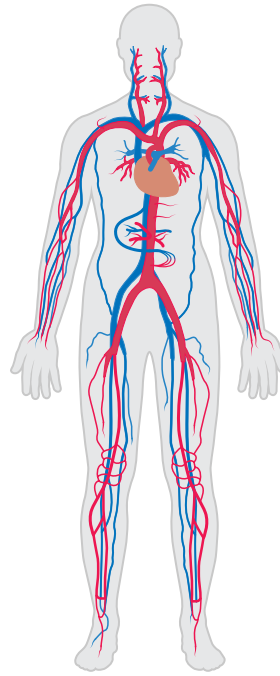
1 The major systems of the human body



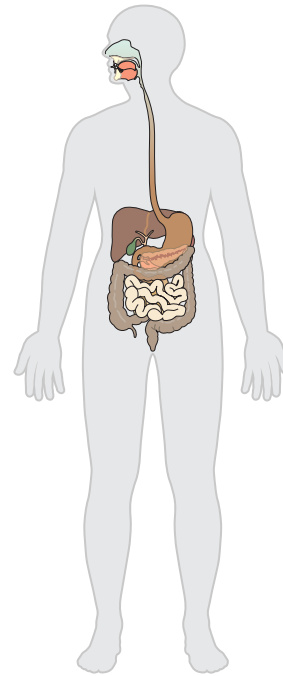
skeletal



muscular



circulatory



digestive

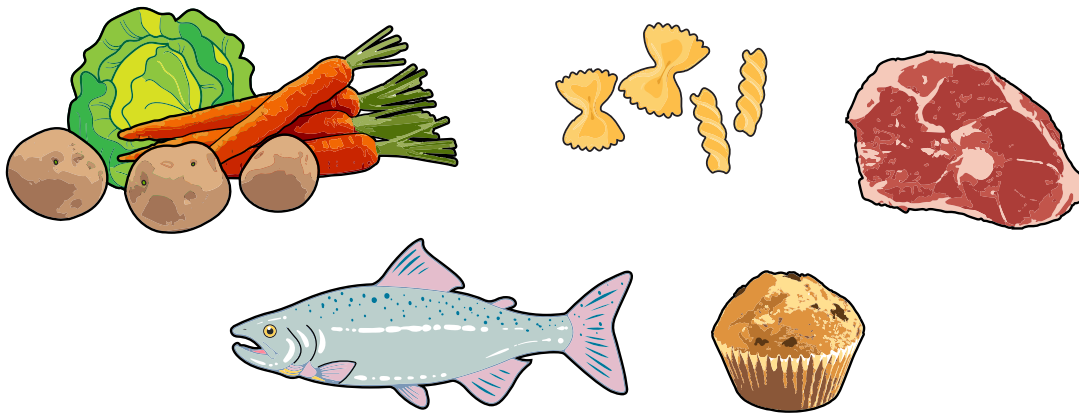
Match the names of the systems above to the descriptions below.
One has been done for you:

- a This system enables movement of the body and maintains posture and position. muscular
.....
- b This system moves nutrients around the body to areas where they are required.
- c This system is made up of organs which enable food to become energy and nutrients for the body.
- d This system provides rigid support, protection and assists with movement.

2 marks

Page Total

2 Lifestyle choices



Complete the following:

- a Most people agree that it is important for humans to eat a balanced diet. What is a balanced diet?
Circle the best answer below.

taking vitamin tablets to supplement the food eaten

eating a variety of foods in the right proportions

never eating fried food

only eating vegetables

1 mark

- b What might be the impact on the health of a human if they become overweight? Write **one** thing.

.....

1 mark

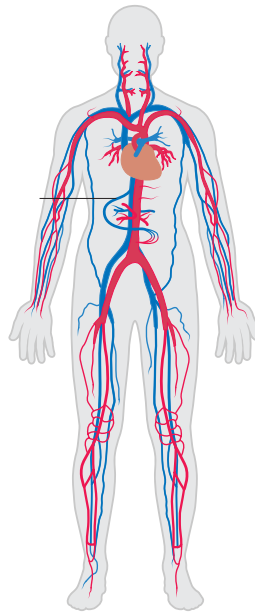
- c As well as eating a balanced diet, what else do humans need to do to stay healthy? Write **one** thing.

.....

1 mark

Page Total

3 The circulatory system



Complete the following:

- a Which of the following are vital for the circulatory system to function? Circle **two** answers.

legs

teeth

hair

blood vessels

arms

heart

- b Draw lines to match each part of the circulatory system to the function it performs.

heart

carries blood back to the heart

vein

pumps blood around the body

artery

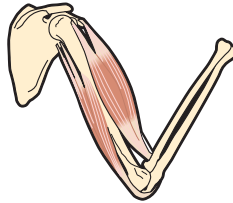
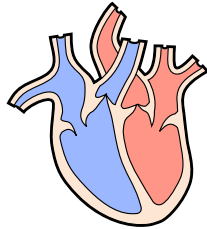
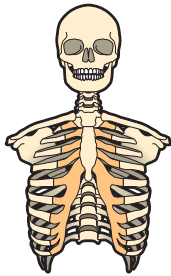
carries blood away from the heart

1 mark

2 marks

Page Total

4 What's in your system?



arteries oesophagus
veins skull biceps
stomach quadriceps rib cage

Using the words from the box above, answer the following questions:

- a Name **two** parts of the body that are included in the **digestive** system.
.....
- b Name **two** parts of the body that are included in the **circulatory** system.
.....
- c Name **two** parts of the body that are included in the **skeletal** system.
.....
- d Name **two** parts of the body that are included in the **muscular** system.
.....

1 mark

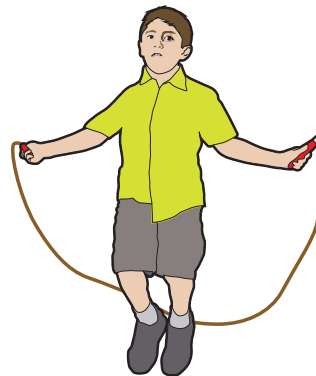
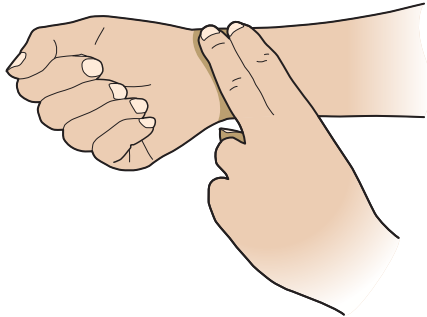
1 mark

1 mark

1 mark

Page Total

5 Exercise and drugs



Complete the following:

- a What does regularly increasing the heart rate, as a result of exercise, achieve for the human body?
Tick **two** answers below.

It means humans could stay healthy on a diet that does not include fruit or vegetables.

☐

It helps oxygen move to the muscles more efficiently.

☐

It increases the body's resting heart rate.

☐

It helps the heart become more efficient at pumping blood.

☐

2 marks

- b Write **true** or **false** next to the statements below.

All drugs are harmful to the human body.

.....

Cigarettes cause chemical changes, which are harmful to the body.

.....

Drugs can make a human think they need more drugs.

.....

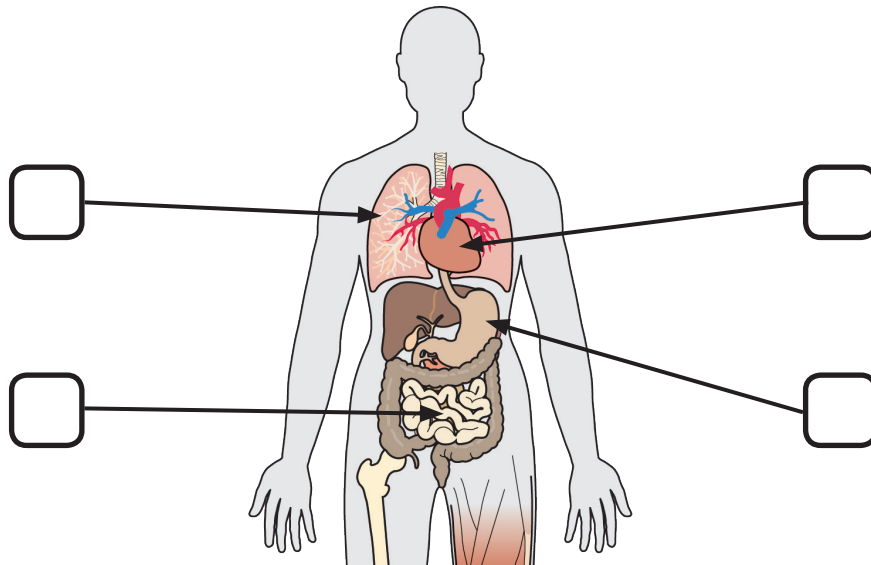
If adults exercise regularly, it is safe for them to drink large amounts of alcohol.

.....

2 marks

Page Total

6 Water, water everywhere



Complete the following:

- a On the diagram above, label the two parts of the body as shown below. Leave the other boxes blank.

A: stomach

B: small intestine

1 mark

- b Which of the following is true? Tick **one** box.

Nutrients and water are broken down by enzymes.

☐

Water is not broken down by enzymes.

☐

Nutrients in food are not broken down by enzymes.

☐

1 mark

- c How is water transported around the body?

.....

1 mark

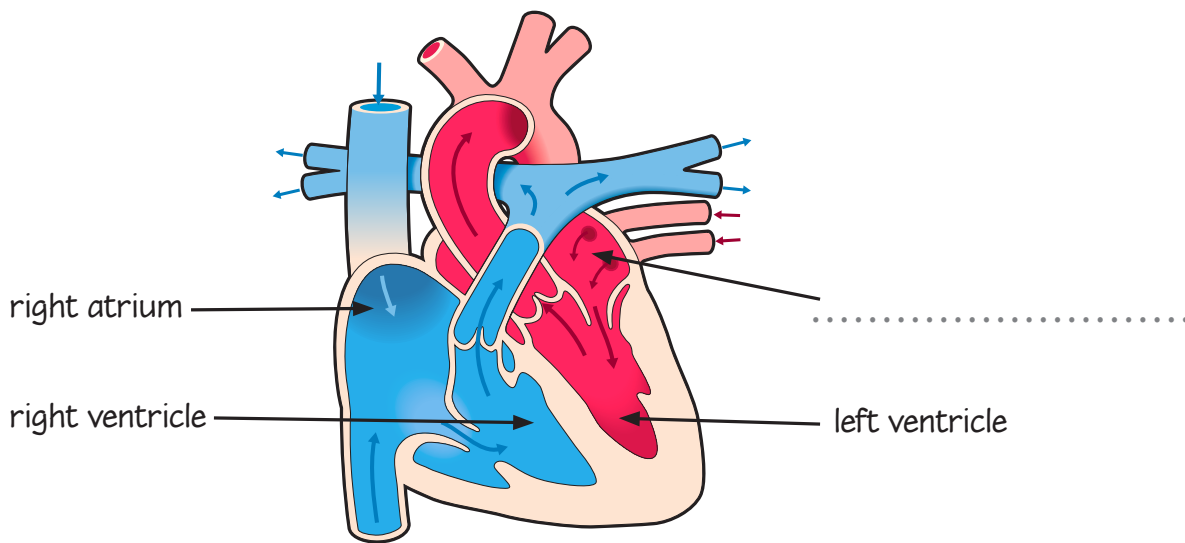
- d The body loses water through the digestive process (going to the toilet). Write **one** other way that the body loses water.

.....

1 mark

Page Total

7 Heart and blood



Complete the following:

- a Complete the missing label in the diagram above.
- b The main function of this body organ is to absorb nutrients and minerals from food into the bloodstream. Circle the correct organ.

small intestine

lungs

heart

liver

- c What am I? I transport things around the body. I contain plasma and platelets. Circle **one** answer.

blood

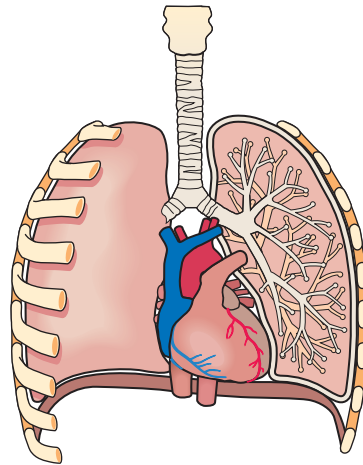
bones

brain

heart

Page Total

8 What about the lungs?



Complete the following:

- a Which of the sentences below are true? Tick **two** boxes.

The circulatory system does not need the lungs.

☐

Humans can survive with only one lung.

☐

Exercise has no effect on the lungs.

☐

Smoking can cause lots of damage to the lungs.

☐

2 marks

- b Write words to make the sentences below correct.

Choose from: **heart lungs carbon dioxide oxygen**

1. The heart pumps blood to the

There, the blood collects from air
that has been inhaled.

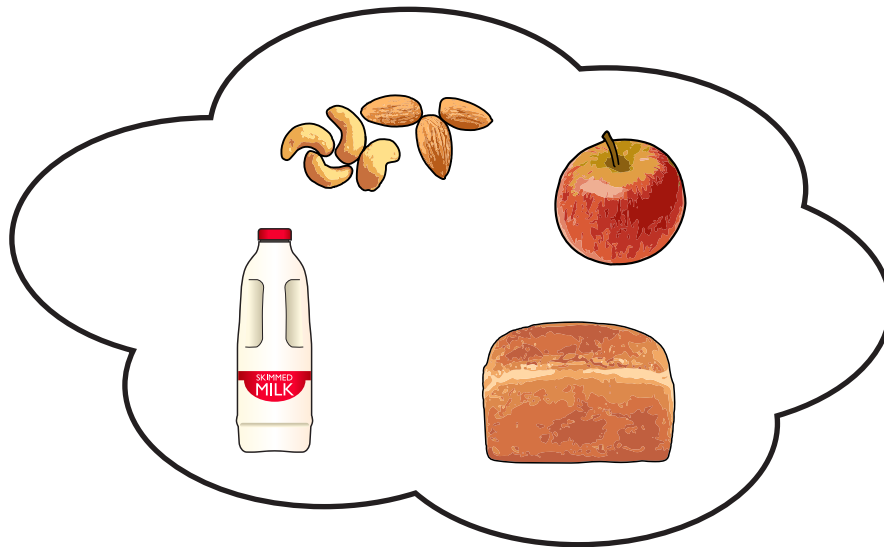
1 mark

2. After transporting oxygen to the body's cells, blood returns to
the The blood is then pumped back to the
lungs, from where is exhaled.

1 mark

Page Total

9 It's good for us!



Complete the following:

- a** How do different types of food help our bodies?
Draw lines from the food type to its main benefit for our bodies.

proteins	a source of vitamins
carbohydrates	a source of calcium
dairy	give us energy
fruit and vegetables	help us grow and build muscles

2 marks

- b** Circle **one** food from the list below that we should only eat in small amounts and less frequently.

vegetables yoghurt sugar fish fruit

1 mark

Page Total

Test Total

/30