

1 Health and digestion

a

Josh is finding out about the digestive system.

Tick **ONE** box to show why we need a digestive system.



Tick **one**.

To control how the body moves.

To break down food for the body to absorb.

To give support to the body.

To transport blood around the body.

B4d

1 mark

b

Josh has some cards labelled with parts of the digestive system.

Write **1** to **5** to show the correct path through the parts of the digestive system. The first one has been done for you.



mouth

large intestine

oesophagus

small intestine

stomach

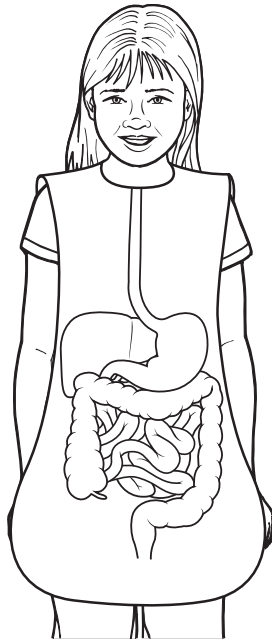
B4d

1 mark

c

The girl below is wearing an apron to show parts of the digestive system.

Draw an **X** to show the part that is the stomach.

B4d
WSLe

1 mark

d

Complete the sentences below by writing the correct words on the answer lines.



Water and nutrients pass from the small intestine into

the _____.

They are then transported around the body by the

_____ system.

B6e

1 mark

e

To keep our bodies functioning well we need to eat a balanced diet.

Another way to keep healthy is by exercising.

Give **TWO** ways in which exercise can help keep our bodies functioning well.



1. _____

2. _____

B6d

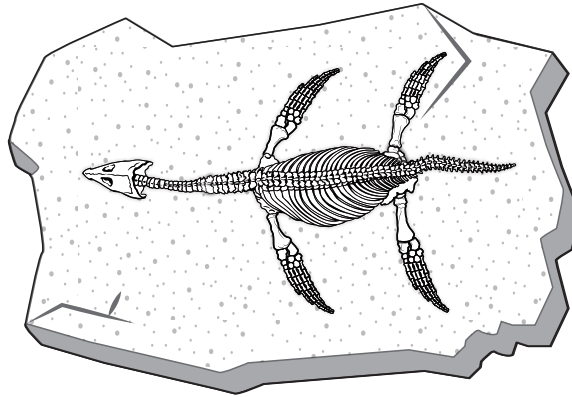
1 mark

2 Sea creature

a

The picture shows the fossil of a pliosaur.

These animals lived in the sea a long time ago.



What material are fossils made of?



C3b

1 mark

b

How did the fossil of the pliosaur form? Match each stage to order what happens.



Stage	What happens
1st	Soft parts decayed away.
2nd	Hard parts were turned into fossils over many years.
3rd	Hard parts were buried by many layers of sand.
4th	The pliosaur died and sank to the sea bed.

C3b

1 mark

c

Very few animals become fossils after they die.

Explain why very few animals become fossils after they die.



C3b

1 mark

d

Fossils can give a lot of information about animals that lived in the past.

Write **true** or **false** for each statement about the pliosaur fossil.

The pliosaur's fossil could give us information about...



True or false?

how long ago the animal lived.

what the animal ate.

what the animal smelt like.

what colour the animal's eyes were.

how large the animal was.

B6f

2 marks

3 Shadows

a

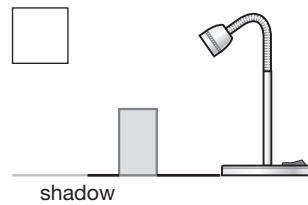
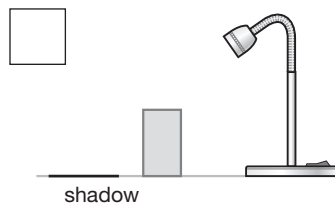
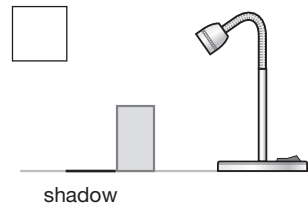
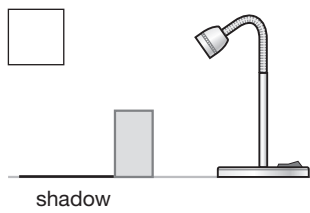
Josh is investigating shadows. He places a block on the floor. He holds a lamp and looks at the shadow the block makes.

(i) Look at the pictures below.

Which picture shows the correct length and direction of the shadow made by the block?



Tick **one**.



P3d,e
P6a

1 mark

(ii) Why does a shadow form when Josh shines the light on the block?



Tick **one**.

The block is grey and shiny.

The block is smooth and rigid.

The block is solid and opaque.

The block is hard and transparent.

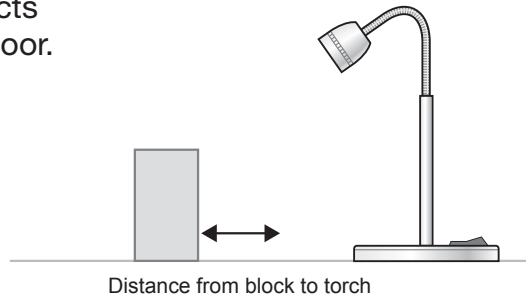
P3d

1 mark

b

Josh investigates if the distance he puts the lamp from the block affects the length of the shadow on the floor.

Josh records his results in the table below.



Distance of lamp from block (cm)	Length of block's shadow (cm)
5	7
10	9
15	12
20	14
25	17

Describe the relationship between the **distance of the lamp** from the block and the **length of the shadow**.



WSUe

1 mark

c

Josh found out that the distance of the lamp from an object does affect how long the shadow is.

He wants to find out more about how to change shadow size.

Suggest **another** investigation that Josh could carry out using the same lamp and block to find out more about how the size of a shadow changes.



WSUd,
P3e

1 mark