

Healthy Body Homework

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Name _____

Class _____

Date due _____

Parent/ Guardian signature _____

Question 1

a) What happens to food during digestion?

_____ (1)

b) Why is that important?

_____ (1)

c) Put the parts of the digestive system in the correct order:

small intestine

mouth

stomach

anus

gullet

large intestine

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

(2)

d) What happens in the stomach?

_____ (1)

e) What happens in the large intestine?

_____ (1)

f) What happens to fully digested food in the small intestine?
_____ (1)

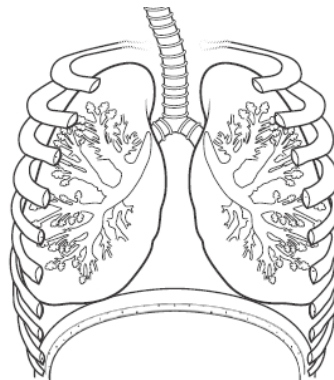
Question 2

a) On the diagram of the human chest shown opposite, draw arrows to show the position of: (3)

the lungs

the diaphragm

the ribs



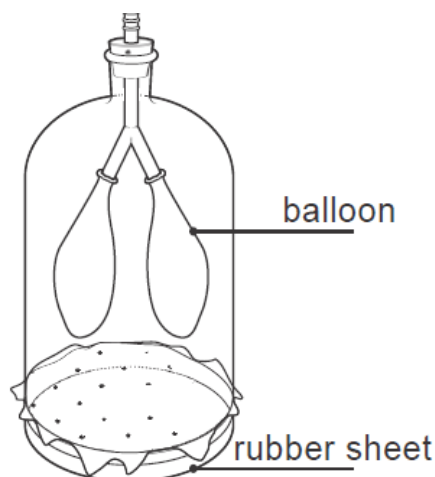
b) The diagram below shows a model lung made from a bell jar, balloons and a rubber sheet.

Which part of the model represents: (3)

the lungs _____

the diaphragm _____

the ribs _____

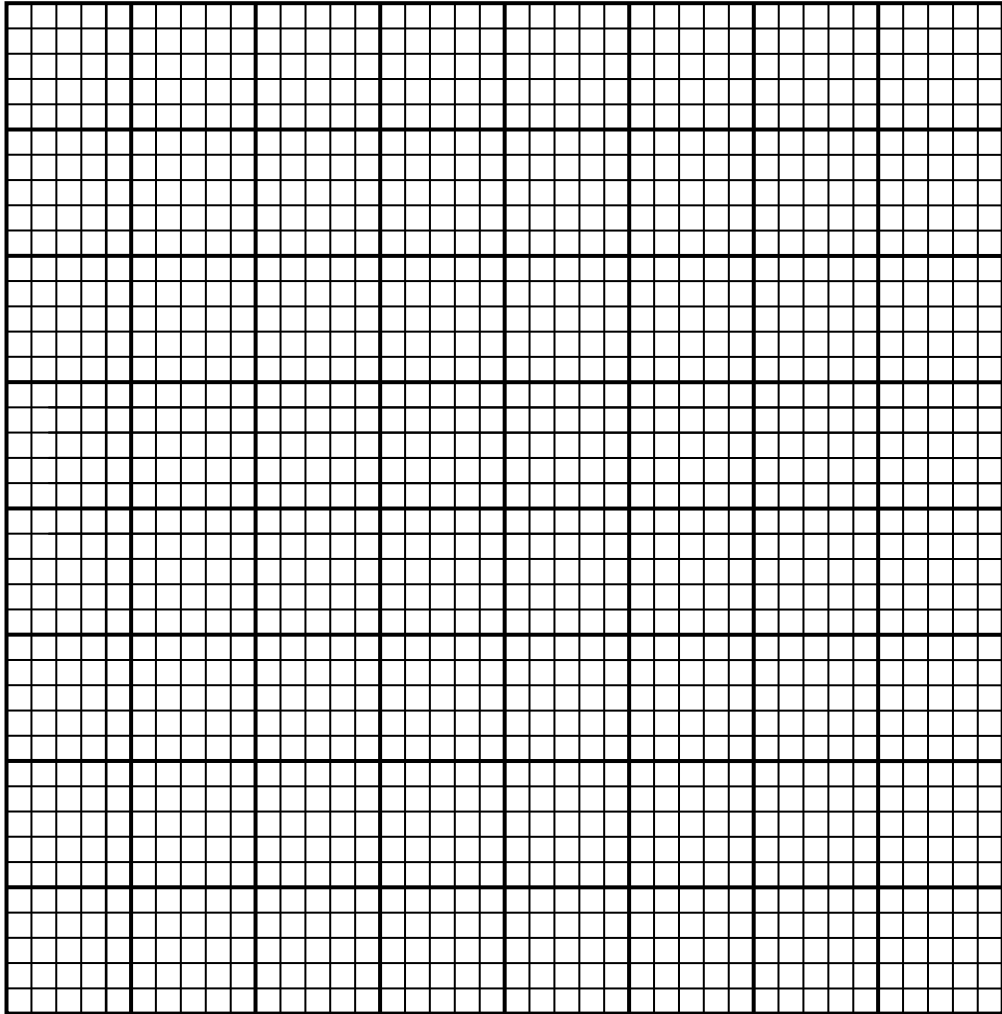


Question 3

Tom was asked to measure and record his breathing rate during different activities. His results are given below.

Activity	sitting	walking	walking upstairs	playing football
Activity breathing rate (breaths per minute)	12	16	24	32

- a) How many breaths will Tom take if he walks for 30 minutes?
_____ (1)
- b) What is the increase in Tom's breathing rate between sitting and playing football?
_____ (1)
- c) Would Tom take more breaths while walking for an hour or playing football for 30 minutes?
_____ (1)
- d) Using the graph paper on the next page, draw a bar graph of Tom's breathing rate against the different activities (3)



e) What conclusion can you draw about Tom's breathing rate as he carries out more strenuous activities?

(1)