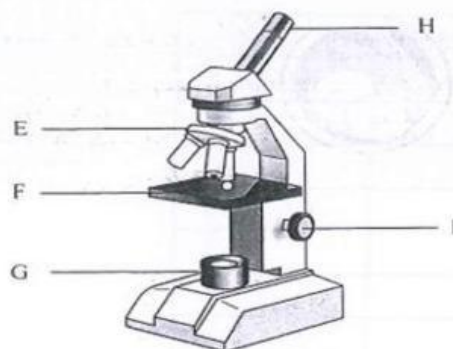


1. The diagram shows an important laboratory apparatus.



(a) (i) Name the apparatus shown and state its function.

name _____ [1]

function _____ [2]

(ii) Identify the letters and give the names of two parts where lenses are found.

letter _____ name _____

1. _____

2. _____

[2]

(iii) Identify the letter and the name of the part where a slide is placed.

letter _____ name _____

[1]

(iv) Identify the letter of the part where a mirror is found. _____ [1]

(v) State the function of this mirror.

_____ [1]

(b) Lenses are usually made of glass.

Briefly describe the property of glass which makes it ideal for use as lenses.

_____ [2]

TOTAL MARKS [10]

The diagram below shows incorrect laboratory safety activities being practiced. Study the diagram carefully and answer the questions which follow.



List FOUR (4) incorrect activities shown and state the correct procedure for each.

Incorrect Activity	Correct Procedure
Example: beaker on edge of table	Place beaker in centre of table
(i)	
(ii)	
(iii)	
(iv)	

[4]

State ONE precaution you would take when heating a substance in a test tube.

[1]

State ONE reaction which may occur if a student mixes two unknown chemicals.

[1]

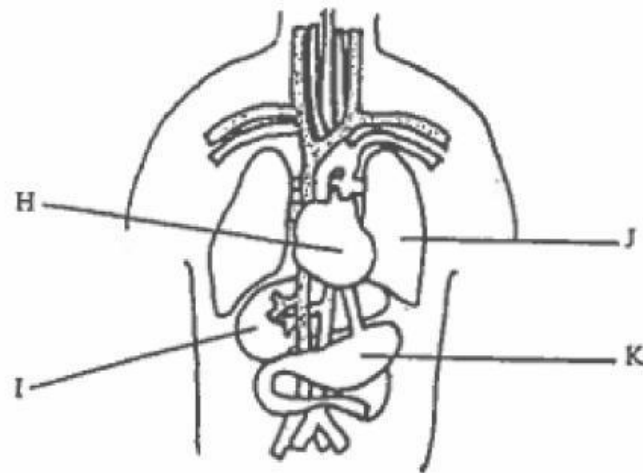
What do the following signs on chemicals mean?



b.

[2]

2. The diagram represents organs from several body systems.



(a) Name the body system to which the organs labelled H, I, J and K belong.

H _____

I _____

J _____

K _____ [4]

(b) (i) Name the system which transports different substances throughout the human body.

_____ [1]

(ii) List two substances transported by this system.

1 _____

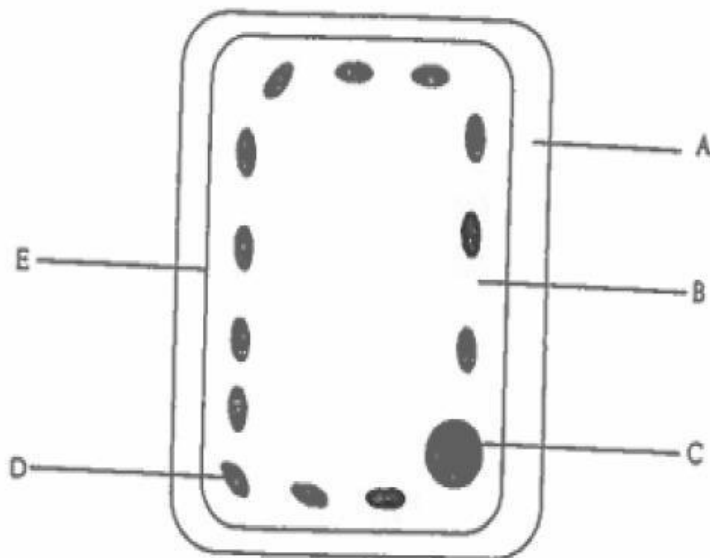
2 _____ [2]

(c) Complete the chart to show how the human body is organized. [3]



Total marks [10]

2. The diagram shows a typical plant cell.



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

A _____
 B _____
 C _____ [3]

(b) Identify and name two parts which are also found in a typical animal cell.

Letter	Name
1	_____
2	_____

[2]

(c) Name the process which would cause this cell to contract when placed in a strong sugar solution.

_____ [1]