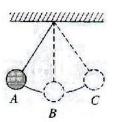


- 7. Ahmad makes a prediction that the rougher the surface, the slower the object moves on it. What is the step of scientific method involved?
 - A. Collecting data
 - B. Suggesting a hypothesis
 - C. Identifying the variables
 - D. Analysing data
- 8. Which of the following must be done when acquiring scientific knowledge?
 - I Analyse and interpret the data.II Modify the hypothesis to fit the analysis.
 - III Report only the data that supports the hypothesis.
 - A. I only C. II and III only
 - B. I and II only D. I, II and III only
- 9. Which of the following statements is not true?
 - A. Read the label first before using a substance
 - B. Scientists conduct experiments to test out hypothesis
 - C. Taste chemicals before using them.
 - D. Light the match first before turning on the gas.
- 10. The information below shows some steps in scientific investigation.
 - P: Collecting data
 - Q: Making a conclusion
 - R: Planning the experiment
 - S: Analysing and interpreting data
 - T: Writing a report

Which of the following is the correct order?

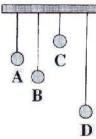
A. R, P, Q, S, T	C. R, S, P, Q, T
B. R, Q, P, S, T	D. R, P, S, Q, T

11. Diagram 2 shows a pendulum.



Which of the following shows a complete oscillation?

- I Å→C→A
- $II \quad A \rightarrow C \rightarrow B$
- III $B \rightarrow A \rightarrow C \rightarrow B$
- A. I and II only C. II and III only
- B. I and III only D. I, II and III
- 12. A pendulum takes 45 seconds to complete 15 oscillations. Find the periodic time for one oscillation. A. 1.5s C. 2.5s
 - B. 2.0s D. 3.0s
- 13. Diagram 3 shows four pendulums



Which of the above pendulums swings the fastest?

14. Table 1 shows the prefixes of *SI* units used in measurement.

milli kilo micro centi Mega

Table 1

Arrange the prefix values in ascending order.

- A. Micro, milli, centi, kilo, Mega
- B. Mega, centi, micro, kilo, milli
- C. Milli, kilo, micro, centi, Mega
- D. Mega, kilo, centi, milli, micro

correctly to its SI unit?	
Physical SI unit quantity	20. Wł me
I Mass Gram	I
II Length Metre	II
III Time Second	111
	Α.
IV Electric Ampere	В.
current	
 A. I and II only C. III and IV only B. II and III only D. II, III and IV only 16. Which of the following is converted correctly? 	21. Dia a c
A. 105km = 1050m B. 10.5cm = 0.105m C. 1.05mm = 0.0105km D. 0.105m = 1.05km	
17. Which of the following is equivalent to	Wh
3570m?	ma
A. 35 700mm C. 3 570 000cm	A.
B. 357 000dm D. 3.57Km	B.
 18. What is the difference between mass and weight? they are measured using different instruments They are measured in different units They are measured in different places. A. I and II only C. II and III only B. I and III only D. I, II and III 19. Diagram 5 shows a measuring tool. What is the function of the tool shown 	22. Dia sto
above? A. To measure the mass of an object B. To measure the weight of an object.	

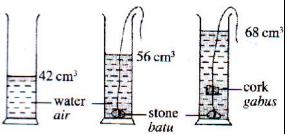
C. To measure the density of an object D. To hold an object

- 20. Which of the following can be used to measure mass?
 - Spring balance
 - II Beam balance
 - III Electronic balance
 - A. I and II only C. II and III only
 - B. I and III only D. I, II and III
- 21. Diagram 6 shows the weight of a fish , a crab and a prawn



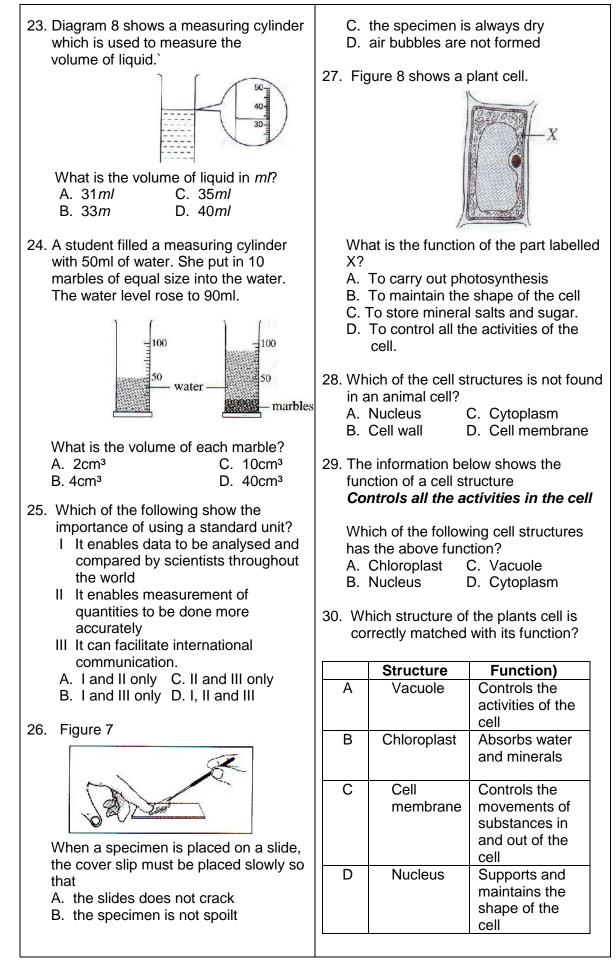
What is the weight of the fish if the total
mass of the crab and prawn is 2.5kg?A. 0.7kgC. 1.5kgB. 0.9kgD. 1.8kg

22. Diagram 7 shows how the volume of a stone and a cork is measured.



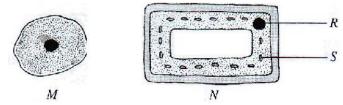
Which of the following shows the correct volume of the stone and the cork?

	Stone (cm ³)	Cork (cm ³)
A	10	5
В	12	6
С	11	8
D	14	12



Section B

1. Diagram 1 shows cells *M* and *N*.



(a) State the name of cell *M* and *N*.

i.	Cell M:	 1(m)
ii.	Cell N:	 1(m)

(b) Structure Q controls the movement of substances in and out of the cell

Label structure Q on cell M and cell N.

(c) Complete Table 1 by naming and stating the function of structure *R* and *S*.

Structure	Name of structure	Function of structure
R		
S		
		4(m)

2. Diagram 2 shows an experiment is carried out to study how to measure the thickness of the measuring tube by using two measuring tools.

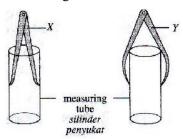


Table 2 shows the results of the experiment

Measurement	1	2	Average
Measuring tool X	2.1	2.2	2.15
Measuring tool Y	2.3	2.3	2.30
Table 2			

(a) Name the measuring tools X and Y.

Х	:	1(m)
Y	:	1(m)

(b) What is the thickness of the measuring tube shown in the diagram?

_ 2 (m)

1(m)

- (c) State two other things that can be measured by using the measuring tools as shown in the diagram.
 - 1. _____1(m) 2. _____1(m)
- 3. Table 3 shows some common hazards symbols that can be found in a science laboratory.
- Hazard SymbolsMeaningAn ExampleImage: Concentrated acidsConcentrated acidsConcentrated acidsImage: Concentrated ac
- (a) Complete the table

Table 3

4(m)

(b) Complete the table with the correct answers

Physical quantity	S.I Unit	Symbol of Unit
length		
	Kelvin	
		kg

3(m)

Answer Scheme Science Test 1 Form 1 Section A

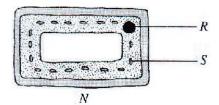
Section A		
1	D	
2	С	
3	В	
4	В	
5	D	
6	А	
7	В	
$ \begin{array}{r} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 9 \end{array} $	А	
9	С	
10	D	
11	В	
12	D	
13	С	
14	А	
15	D	
16	В	
17	D	
18	А	
19	В	
20	С	
21	C	
22	D	
23	В	
24	В	
25	D	
26	D	
$ \begin{array}{r} 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 18\\ 19\\ 20\\ 21\\ 22\\ 23\\ 24\\ 25\\ 26\\ 27\\ 28\\ 29\\ \end{array} $	D C B B D A B A C D B B D C C A B D C C A B D C C C D B B B C C C D B B B B D D A B B C C C C D B B B C C C C C C C C C C	
28	В	
29	В	
30	C	

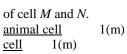
Section B

Diagram 1 shows cells M and N.



M





i Cell *M*: ii Cell *N:* <u>plant</u>

State the name

Structure Q controls the movement of substances in and out of the cell Cell membrane 1 (m)

Complete Table 1 by naming and stating the function of structure *R* and *S*.

Structure	Name of structure	Function of structure
R	Nucleus	Control all the activities of the cells
S	Chloroplast	Carries out photosynthesis to produce food

4(m)

Table 2 shows the results of the experiment

Measurement	1	2	Average
Measuring tool X	2.1	2.2	2.15
Measuring tool Y	2.3	2.3	2.30

Table 2

Name the measuring tools X and Y.

X : Internal Callipers 1(m)

Y : External Callipers 1(m)

2(b) What is the thickness of the measuring tube shown in the diagram? $= d^2 - d^1 cm$ 2 = 2.30 - 2.152

=0.075cm

2(c) Beaker 1(m) glass bottle 1(m)

Hazard Symbols	Meaning	An Example
	corrosive	Concentrated acids
	Radioactive	Uranium
	Poisonous	Mercury/ lead/ hydrogen sulphide
	Flammable	Alcohol/ phosphorus/ petrol

Table 3

(b) Complete the table with the correct answers

Physical quantity	S.I Unit	Symbol of Unit
length	Metre	m
Temperature	Kelvin	K
Mass	Kilogram	kg