SET PENGUKUHAN 1

[Unit 1 – Unit 5]

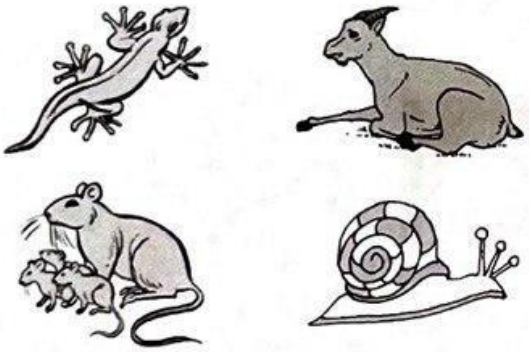
Markah: / 100

A **Beberapa aktiviti dilakukan oleh tiga kumpulan murid. Tuliskan kemahiran proses sains berdasarkan aktiviti yang dilakukan.** [6 *markah*] [6 *marks*]

A few activities are carried out by three groups of pupils. Write the science process skill based on the conducted activity. TP 2 TP 3

Kumpulan 1
Group 1

1



Haiwan ini dikelaskan kepada:
These animals are classified as:

(a) haiwan bertelur
animals that lay eggs

(b) haiwan melahirkan anak
animals that give birth

Kemahiran proses sains: _____
Science process skill:

Kumpulan 2
Group 2

2

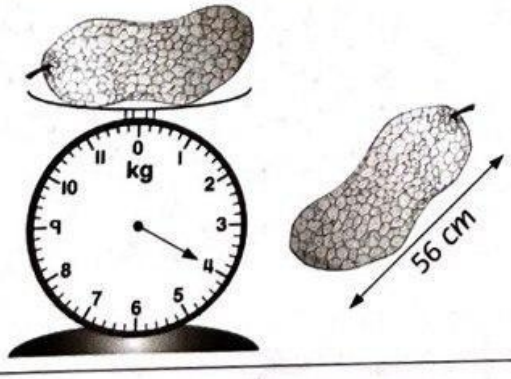
Masa (saat) *Time (second)*	5	10	15	20	25	30
Bilangan denyutan *Number of heartbeats*	65	68	70	75	79	84

Bilangan denyutan jantung bertambah kerana Yusuf mula berlari dengan laju.
Number of heartbeats increases because Yusuf begins to run faster.

Kemahiran proses sains: _____
Science process skill:

Kumpulan 3
Group 3

3



Berat buah cempedak ialah 4 kg. Panjang buah cempedak itu ialah 56 cm.
Weight of the jackfruit is 4 kg. Length of the jackfruit is 56 cm.

Kemahiran proses sains: _____
Science process skill:

TAHAP PENGUASAAN: 1 2 3 4 5 6

Tarikh: _____

LIVEWORKSHEETS

B Jawab soalan-soalan berikut. TP 1

Answer the following questions.

[10 *markah*]
[10 *marks*]

1 Maklumat di bawah menunjukkan ciri-ciri haiwan tertentu. Padankan maklumat berikut dengan haiwan yang betul.
The information below shows the characteristics of certain animals. Match the information with the correct animal.

Maklumat *Information*	Haiwan *Animal*
Saya haiwan bersaiz kecil. Saya tinggal di darat. Saya bernafas menggunakan spirakel. Siapakah saya? *I am a small size animal. I live on land. I breathe using spiracles. Who am I?*	Katak *Frog*
Saya haiwan aquatik yang terbesar. Saya bernafas menggunakan peparu. Siapakah saya? *I am the biggest aquatic animal. I breathe using lungs. Who am I?*	Ikan paus *Whale*
	Belalang *Grasshopper*

2 Nyatakan contoh haiwan mengikut organ pernafasan yang berikut.
State the examples of animals according to the following breathing organs.

Organ pernafasan *Breathing organs*

(a) Kulit lembap *Moist skin*

(i) _____

(ii) _____

(b) Insang *Gills*

(i) _____

(ii) _____

C Jawab soalan yang berikut. TP 4

Answer the following question.

[5 *markah*]
[5 *marks*]

_____

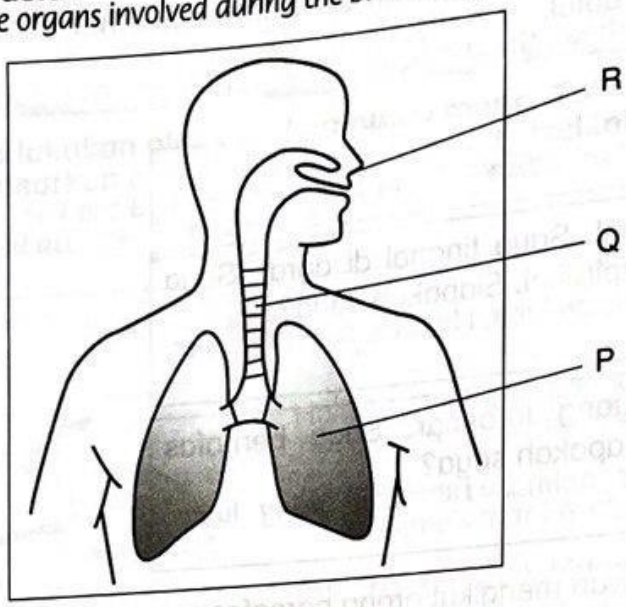
_____

TAHAP PENGUASAAN: 1 2 3 4 5 6 Tarikh: _____

LIVEWORKSHEETS

D **Rajah menunjukkan organ-organ yang terlibat semasa proses pernafasan dalam badan manusia.** [12 *markah*] [12 *marks*] TP 1 TP 2

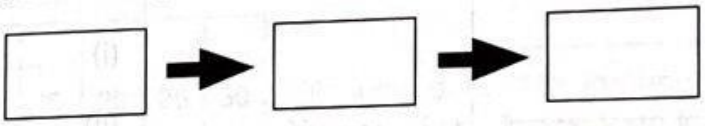
The diagram shows the organs involved during the breathing process in the human body.



1 Namakan organ.
Name the organs.

P : _____ Q : _____ R : _____

2 Susun organ di atas mengikut laluan udara semasa menghembus nafas yang betul. Tulis P, Q dan R.
Arrange the above organs according to the correct air passage during exhalation. Write P, Q and R.



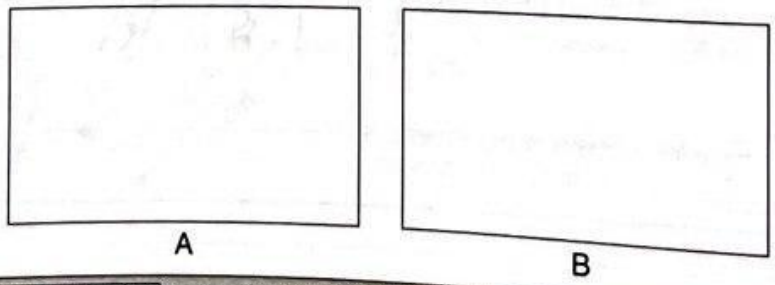
E **Rajah menunjukkan satu penyiasatan menggunakan sebuah kotak kayu.** TP 5 [6 *markah*] [6 *marks*]

The diagram shows an investigation using a wooden block.

Situasi A
Situation A

Situasi B
Situation B

Lukiskan bayang-bayang yang terhasil dalam situasi tersebut.
Draw the shadow formed in the situations.



A B

TAHAP PENGUASAAN: 1 2 3 4 5 6

LIVEWORKSHEETS

F **Jawab semua soalan.** **SOALAN OBJEKTIF** OBJECTIVE QUESTIONS
Answer all the questions.

[11 *markah*]
[11 *marks*]

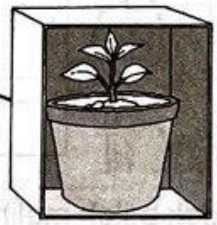
1

> Persamaan dan perbezaan antara objek dikenal pasti.
> *The similarities and differences between objects are identified.*

Berdasarkan pernyataan di atas, kemahiran proses sains yang terlibat ialah
Based on the statement above, the science process skill involved is

A mengukur *measuring*
B mengelas *classifying*
C meramal *predicting*
D memerhati *observing*

2 Suatu eksperimen dijalankan seperti di bawah.
An experiment is carried out as shown below.



> Tumbuhan itu layu selepas seminggu kerana tidak mendapat cahaya matahari.
> *The plant wilted after a week due to the absence of sunlight.*

Berdasarkan eksperimen di atas, apakah proses sains yang digunakan?
Based on the experiment above, what is the science process skill used?

A Membuat inferens *Making inference*
B Berkomunikasi *Communicating*
C Mentafsir data *Interpreting data*
D Mengukur *Measuring*

3 Antara berikut, yang manakah **bukan** organ perkumuhan manusia?
*Which of the following is **not** human excretory organs?*

A Peparu *Lungs*
B Ginjal *Kidney*
C Kulit *Skin*
D Telinga *Ear*

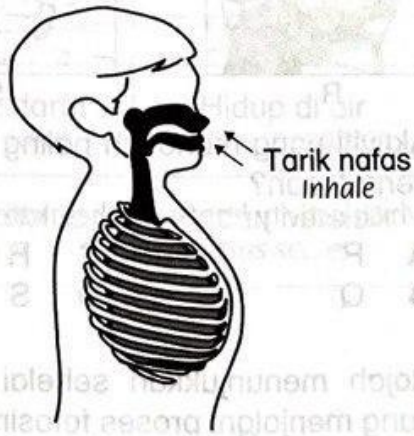
4 Antara padanan berikut, yang manakah **betul**?
*Which of the following matches is **correct**?*

	Haiwan *Animal*	Organ pernafasan *Breathing organ*
A	Cicak *Lizard*	Insang *Gills*
B	Ketam *Crab*	Spirakel *Spiracles*
C	Buaya *Crocodile*	Peparu *Lungs*
D	Ulat beluncas *Caterpillar*	Kulit lembap *Moist skin*

5 Mengapakah kura-kura dikelaskan dalam kumpulan vertebrata?
Why tortoises are classified as vertebrates?

A Hidup di dalam air dan di darat *Live in water and land*
B Bertelur *Laying eggs*
C Mempunyai tulang belakang *Have backbones*
D Badan dilitupi cangkerang keras *Body covered with hard shell*

6 Rajah menunjukkan proses menarik nafas.
The diagram shows the inhalation process.



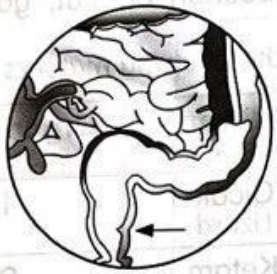
Semasa menarik nafas, dada
When inhaling, the chest

A turun dan mengembang *moves down and expand*
B naik dan mengembang *moves up and expand*
C turun dan mengempis *moves down and deflate*
D naik dan mengempis *moves up and deflate*

TAHAP PENGUASAAN: 1 2 3 4 5 6 Tarikh: _____

LIVEWORKSHEETS

7 Rajah di bawah menunjukkan organ manusia.
The diagram below shows a human organ.



Organ di atas membantu proses
The organ above helps in the process of

A pernafasan *breathing*
B penyahtinjaan *defecation*
C perkumuhan *excretion*
D fotosintesis *photosynthesis*

8 Rajah menunjukkan empat aktiviti.
The diagram shows four activities.

P

Q

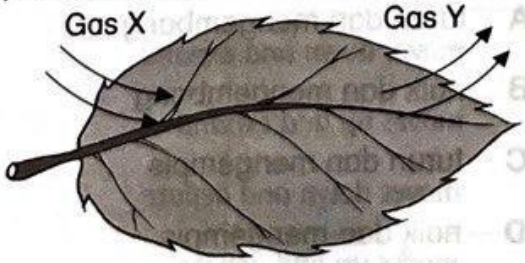
R

S

Aktiviti yang manakah paling tinggi kadar pernafasan?
Which activity has the highest rate of breathing?

A P
B Q
C R
D S

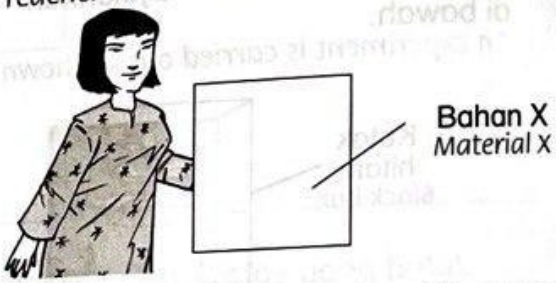
9 Rajah menunjukkan sehelai daun hijau yang menjalani proses fotosintesis.
The diagram shows a green leaf that conducts photosynthesis.



Gas X dan gas Y ialah
Gas X and gas Y are

	X	Y
A	Oksigen *Oxygen*	Karbon dioksida *Carbon dioxide*
B	Oksigen *Oxygen*	Oksigen *Oxygen*
C	Karbon dioksida *Carbon dioxide*	Karbon dioksida *Carbon dioxide*
D	Karbon dioksida *Carbon dioxide*	Oksigen *Oxygen*

10 Rajah menunjukkan suatu eksperimen yang dilakukan oleh Cikgu Rina.
The diagram shows an experiment conducted by Teacher Rina.



Kita tidak boleh melihat tangan Cikgu Rina di belakang bahan X. Bahan X ialah
We cannot see Teacher Rina's hand behind material X. Material X is

I	II	III
papan lapis *plywood*	kaca *glass*	kad manila *manila card*

A I sahaja *I only*
B I dan III *I and III*
C II dan III *II and III*
D I, II dan III *I, II and III*

11 Antara berikut, apakah yang diperlukan untuk pembentukan pelangi?
Which of the following are needed to form a rainbow?

P Cahaya matahari *Sunlight*
Q Titisan air *Water droplets*
R Angin *Wind*

A P dan Q *P and Q*
B P dan R *P and R*
C Q dan R *Q and R*
D P, Q dan R *P, Q and R*

TAHAP PENGUASAAN: 1 2 3 4 5 6

Tarikh: _____

LIVEWORKSHEETS