NAME: CLASS:

REVISION EXERCISE 2 – YEAR 4 UPSA SCIENCE

UNIT 2: HUMAN : MULTIPLE ANSWER

Which of the following organs is not involved in the respiratory process?

What happens if someone is frequently exposed to contaminants?

. Excretion is the process of removal ..... from the body.

Which of the following is incorrect about the matching of animals and their breathing organs?

Which of the following can affect a human's response to stimuli?

Diagram 1 shows the human respiratory organs, namely P, Q and R. Which is the correct route for the exhalation process?

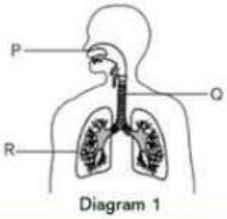


Diagram 1

..... invertebrates animals.

Why is a whale classified as a vertebrate animal?

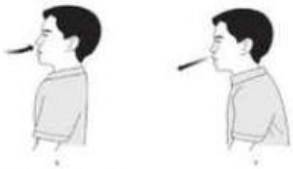
5. Figure 2 shows a situation in a clinic

Why faeces must be excreted?

Which of the following is incorrect about the matching of animals and their breathing organs?

UNIT 2: HUMAN:

Observe the diagram below and answer the following questions.



X

Y

The chest rises/ Dada menaik

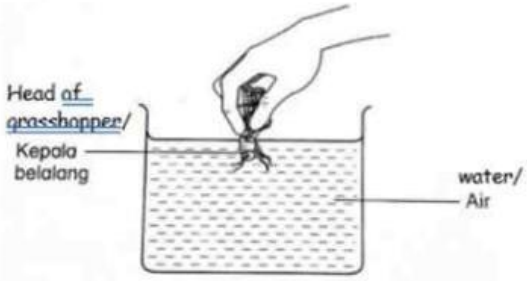
The chest falls/Dada menurun

Air enters through the nose, passes through the trachea and into the lungs/ Udara masuk melalui hidung , trakea dan peparu

Air exits from the lungs, through the trachea and out through the nose./ Udara keluar dari peparu ke trakea dan hidung.

What is pupil X doing?

d] A grasshopper is immersed in an aquarium as shown below.
Seekor belalang direndam di dalam sebuah akuarium seperti ditunjukkan di bawah.



i] Predict what will happen to the grasshopper after a few minutes in the water.
Ramalkan apa yang berlaku kepada belalang selepas beberapa minit berendam di dalam air.

LIVEWORKSHEETS

A pupil carried out three different activities to study the human breathing rate. The diagram below shows the activities carried out by the pupil.

Seorang murid menjalankan tiga aktiviti yang berbeza untuk mengkaji kadar pernafasan manusia. Rajah di bawah menunjukkan aktiviti yang dijalankan oleh murid tersebut

i] The table below shows the results of the investigation. The number of chest movements per minute was recorded after 30 minutes.

Jadual di bawah menunjukkan keputusan penyiasatan tersebut. Bilangan pergerakan dada turun naik dalam 1 minit direkodkan selepas 30 minit.

Type of activity/ *Jenis aktiviti*	Rate of breathing after 30 minutes/ *Kadar pernafasan selepas 30 minit*
Walking/ *Berjalan perlahan*	*30*
Running / *Berlari*	*45*
Sit/ *Duduk*	*20*

i] Based on the table above, which activity causes the highest breathing rate?

Berdasarkan kepada jadual di atas, aktiviti manakah kadar pernafasan tertinggi?

ii] Give a reason for your answer in (i).

Berikan sebab kepada jawapan anda di (i).

iii] Is there a difference in the breathing rate for all three types of activities carried out? Tick (✓) the correct answer.

Adakah terdapat perbezaan pada kadar pernafasan bagi ketiga-tiga aktiviti ini. *Tandakan (✓) pada jawapan yang betul.*

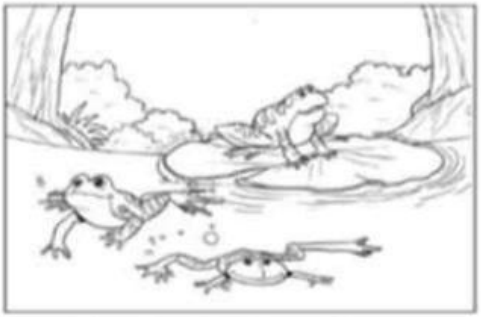
Yes/ Ya

No/ Tidak

KELAS SAINS
LIVEWORKSHEETS

The diagram below shows two situations.
Rajah di bawah menunjukkan dua situasi.

Situation 1/ *Situasi 1*



Situation 2/ Situasi 2

a] Based on the two situations above, write one observation.
Berdasarkan kepada dua situasi di atas, tuliskan satu pemerhatian.

b] Give an inference to support your observation.
Berikan inferens bagi menyokong pemerhatian anda.

c] Tick *(✓)* the animal that breathes the same way as a frog. *Tandakan (✓) haiwan yang bernafas sama seperti katak.*

☐ Lizard/ Cicak ☐ Cecilia/Cecilia ☐ Salamander

The following information is about animal X:
Maklumat berikut berkaitan dengan haiwan X

> Animal X has gills and lays eggs./ Haiwan X mempunyai insang dan bertelur.
> It lives in a river and has scaly skin./ .
> Haiwan ini tinggal di dalam sungai dan mempunyai kulit yang bersisik.

a] Based on the statement above, what is animal X?
Berdasarkan kepada kenyataan di atas, apakah haiwan X?

b] Is animal X classified as a vertebrate or invertebrate?
Adakah haiwan X diklasifikasikan sebagai haiwan vertebrata atau invertebrata?

c] The diagram below shows an animal that lives in water.
Rajah di bawah menunjukkan haiwan yang hidup di dalam air.

i] Why is this animal not classified as a fish?
Mengapakah haiwan ini tidak diklasifikasikan sebagai ikan?

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