

**MID YEAR TEST / UJIAN PERTENGAHAN TAHUN 2016**  
**SCIENCE YEAR 4 / SAINS TAHUN 4**  
**PAPER 1 / KERTAS 1**

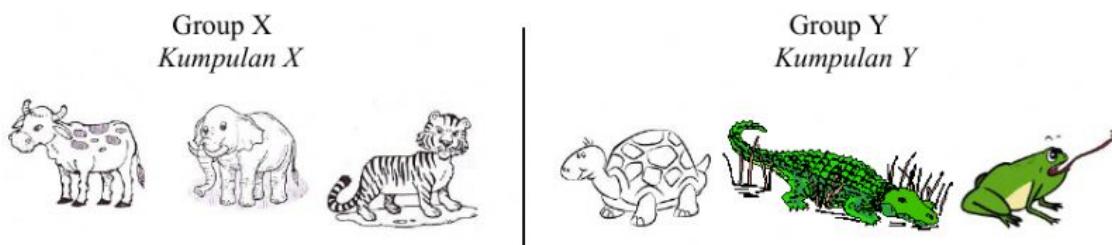
**NAMA:**.....

**KELAS:**.....

*Arahan: Jawab semua soalan dan pilih jawapan yang paling tepat.*

---

1. Diagram below shows the classification of animals based on their similar characteristics.  
*Rajah di bawah menunjukkan pengelasan haiwan berdasarkan ciri yang sama.*



What is the similar characteristic for group X and group Y?  
*Apakah ciri persamaan bagi kumpulan X dan ciri persamaan bagi kumpulan Y?*

	Group X <i>Kumpulan X</i>	Group Y <i>Kumpulan Y</i>
A	Live on the land <i>Hidup di darat</i>	Live in the water <i>Hidup di dalam air</i>
B	Herbivor <i>Herbivore</i>	Omnivore <i>Omnivore</i>
C	Have scales <i>Bersisik</i>	Have fur <i>Berbulu</i>
D	Give birth <i>Melahirkan anak</i>	Lay eggs <i>Bertelur</i>

2. In which situation, the rate of human breathing is the highest?  
*Dalam situasi manakah, kadar pernafasan manusia yang paling tinggi?*

- A Sleeping  
*Tidur*  
B Running  
*Berlari*  
C Walking  
*Berjalan*  
D Cooking  
*Memasak*

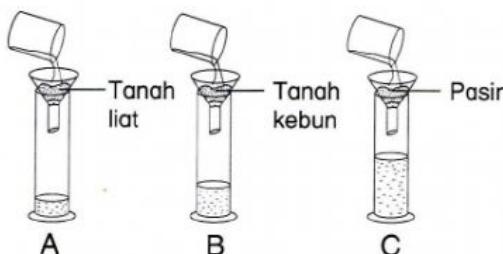
3. Ahmad carried out an experiment about basic needs of animal. At the end of the experiment, found that only one cockroach stay alive from four cockroaches in different jar. What is the constant variable (What to kept the same) in this experiment?

*Ahmad telah menjalankan eksperimen tentang keperluan asas haiwan. Di akhir eksperimen didapati hanya seekor sahaja lipas terus hidup daripada empat lipas di balang yang berbeza. Apakah pembolehubah yang di malarkan (Apa yang dikekalkan sama) dalam eksperimen ini?*

- A. Type of animal  
*Jenis haiwan*
- B. The presence of food  
*Kehadiran makanan*
- C. The presence of water and food  
*Kehadiran air dan makanan*
- D. The condition of cockroach after a week  
*Kedaan lipas selepas seminggu.*

4. Diagram below shows an investigation that carried out by Claudia to investigate the ability of water flows through soil.

*Rajah di bawah menunjukkan satu penyiasatan yang dijalankan oleh Claudia untuk menyiasat keupayaan air mengalir melalui tanah.*



What is the manipulated variable (what to changed) in this investigation?

*Apakah pembolehubah ubah dimanipulasi (apa yang diubah) dalam penyiasatan ini?*

- A Type of soil  
*Jenis tanah*
- B Volume of water poured  
*Isipadu air yang dituang*
- C Level of water collected  
*Paras air yang terkumpul*
- D Quantity of soil used  
*Kuantiti tanah yang digunakan*

5. Hui Fen carried out three types of activities as below in different time.  
*Hui Fen melakukan tiga jenis aktiviti di bawah dalam waktu yang berasingan.*

P -	Sprint 100 m <i>Lari pecut 100 m.</i>
Q -	Reading books at the library <i>Membaca buku di perpustakaan.</i>
R -	Cleaning the black board <i>Membersihkan papan hitam.</i>

Arrange Hui Fen's rate of breathing, in sequence from the fastest to the slowest.

Susun kadar penafasan Hui Fen, mengikut urutan daripada yang paling cepat kepada yang paling lambat.

- A. P, Q, R      B. P, R, Q  
 C. Q, R, P      D. R, Q, P

6. Ahmad dips his hand into a container containing warm water. He feels hot. Amongst the sensory organ below, which sensory is used by Ahmad?  
*Ahmad memasukkan tangan ke dalam bekas yang berisi air suam. Dia merasa panas. Antara organ deria berikut, organ deria yang manakah yang Ahmad gunakan?*

- |                         |                           |
|-------------------------|---------------------------|
| A. Skin<br><i>Kulit</i> | B. Ears<br><i>Telinga</i> |
| C. Eyes<br><i>Mata</i>  | D. Tongue<br><i>Lidah</i> |

7. Which of the following is **not** the effect of smoking?  
*Manakah antara berikut bukan kesan merokok?*

- A Lung cancer  
*Kanser paru-paru*
  - B Air pollution  
*Pencemaran udara*
  - C Bad breath  
*Nafas berbau busuk*
  - D Relieve up headache  
*Melegakan sakit kepala*

8. Diagram below shows a boy is breathing out on a surface of a mirror.

*Rajah di bawah menunjukkan seorang budak lelaki menghembus nafas di hadapan sebuah cermin.*



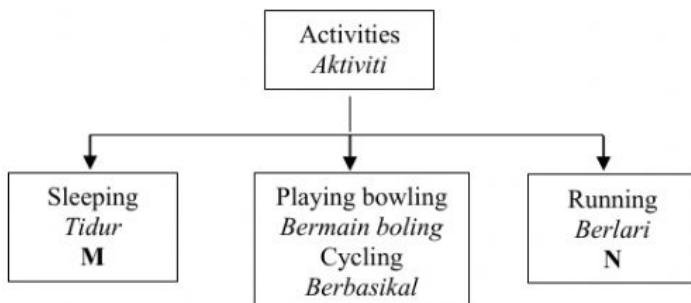
The investigation shows that

*Penyiasatan menunjukkan bahawa*

- A exhaled air produces heat energy  
*Udara yang dihembus menghasilkan tenaga haba*
- B inhaled air contains oxygen  
*Udara yang disedut mengandungi oksigen*
- C exhaled air contains water vapour  
*Udara yang dihembus mengandungi wap air*
- D exhaled air contains carbon dioxide  
*Udara yang dihembus mengandungi karbon dioksida*

9. Diagram below shows the classification of human activities based on the rate of breathing.

*Rajah di bawah menunjukkan pengelasan aktiviti manusia berdasarkan kadar pernafasan.*



Amongst the activities below, which one represents M and N?

*Antara aktiviti-aktiviti di bawah, yang manakah mewakili M dan N?*

	M	N
A	Reading Membaca	Singing Menyanyi
B	Writing Menulis	Swimming Berenang
C	Counting Mengira	Cooking Memasak
D	Playing football Bermain bola sepak	Typing Menaip

10. Which one is the **correct** pair of stimuli and response?

*Manakah pasangan rangsangan dan gerak balas yang betul?*

- A Hot object – hold the object for a longer time  
*Objek panas—memegang objek lebih lama*
- B Nice smell of foods – walk to the kitchen  
*Bau makanan sedap—berjalan ke dapur*
- C Cold weather – take off the cloth  
*Cuaca sejuk—menanggalkan pakaian*
- D Ambulan sirens – drive to the middle of road  
*Bunyi ambulans—memandu ke tengah jalan*

11. A pupil quickly withdrew his hand when he accidentally touched a hot iron. What life process is shown by the pupil?

*Seorang murid serta merta menarik tangannya apabila tersentuh seterika panas. Murid ini menunjukkan*

- A excretion  
*pengumuhan*
- B breathing  
*bernafas*
- C defecation  
*peninjaan*
- D respond to stimuli  
*tindakbalas kepada ransangan*

12. Diagram below shows Mr. and Mrs. Devendren and their sons.

*Rajah di bawah menunjukkan Encik Devendren bersama isteri dan anak lelaki mereka.*



What are the features that inherit by their son?

*Apakah ciri keturunan yang diwarisi oleh anak lelaki mereka?*

- A Hair type, body weight and skin colour  
*Jenis rambut, berat badan dan warna kulit*
- B Looks, skin colour and hair type  
*Paras rupa, warna kulit dan jenis rambut*
- C Body weight, looks and eye colour  
*Berat badan, rupa paras dan warna mata*
- D Height, skin colour and body weight  
*Ketinggian, warna kulit dan berat badan*

13. Amongst features below, which one **CANNOT** be inherited from parents to their offspring?  
*Antara ciri-ciri berikut, yang manakah TIDAK BOLEH diwarisi daripada ibubapa kepada anak-anaknya?*

- A Skin colour and eye colour  
*Warna kulit dan warna mata*
- B Hair type and dimples  
*Jenis rambut dan lesung pipit*
- C Earlobe and looks  
*Cuping telinga dan paras rupa*
- D Body weight and height  
*Berat badan dan ketinggian*

14. The following habits can bring harm to human life processes, except....  
*Berikut adalah tabiat yang boleh merosakkan proses hidup manusia, kecuali.....*

- A. Smoking  
*Merokok*
- B. Taking drug  
*Mengambil dadah*
- C. Dancing  
*Menari*
- D. Drinking alcohol  
*Minum alkohol*

15. The animal shown in the diagram below breathes through  
*Haiwan yang ditunjukkan dalam rajah berikut bernafas melalui*



- A lungs  
*Paru-paru*
- B gills  
*Insang*
- C moist skin  
*Kulit lembap*
- D book lungs  
*Paru-paru buku*

16. Diagram below shows a bad habit.

Rajah di bawah menunjukkan tabiat yang tidak baik.



The habit is not good for our health because it can cause .....

Perbuatan tersebut tidak baik untuk kesihatan kita kerana ia boleh menyebabkan.....

- A. Air pollution  
*Pencemaran udara*
- B. Lung cancer  
*Kanser peparu*
- C. Kidney failure  
*Kegagalan ginjal*
- D. Delay reaction  
*Tindakbalas lambat*

17. Diagram below shows an accident caused by a drunken driver.

Rajah di bawah menunjukkan satu kemalangan yang disebabkan oleh pemandu yang mabuk.



Why is a drunken driver likely to be cause of an accident?

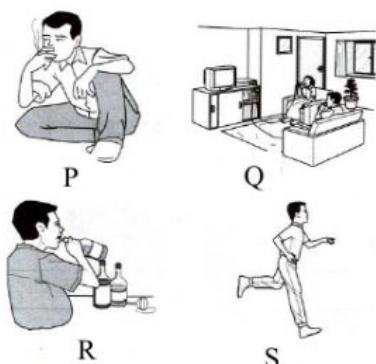
Mengapakah pemandu yang mabuk boleh menyebabkan sesuatu kemalangan berlaku?

- A. He is weak  
*Pemandu itu lemah*
- B. He should drives at high speed  
*Pemandu terpaksa memandu dengan kelajuan yang tinggi*
- C. He can read the road signs  
*Pemandu dapat membaca papan tanda*
- D. He cannot respond to stimuli quickly.  
*Pemandu tidak dapat bergerakbalas terhadap rangsangan dengan cepat.*

18. Which of the following is the correct pair of an animal and its respiratory organ?  
*Pernyataan yang manakah pasangan yang betul dengan organ pernafasan?*

- A Cat fish – gills  
*Ikan keli - insang*
- B Earthworm – Trachea  
*Cacing tanah – Trachea*
- C Crocodile – moist skin  
*Buaya – Kulit lembap*
- D Cockroach – lungs  
*Lipas – peparu*

19. Which of the following are bad habits?  
*Antara yang berikut, manakah merupakan tabiat buruk?*



- A P and R only  
*P dan R sahaja*
  - B R and S only  
*R dan S sahaja*
  - C P, Q and R only  
*P, Q dan R sahaja*
  - D P, Q and S only  
*P, Q dan S sahaja*
20. Diagram below shows a poster.
- Rajah di bawah menunjukkan sebuah poster.*

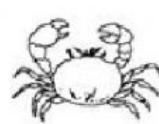


What does the poster discourage?  
*Apakah yang poster itu tidak galakkan?*

- A Drink and drive  
*Minum arak dan memandu*
- B Taking drugs  
*Mengambil dadah*
- C Smoking  
*Merokok*
- D Starting a fire

*Menyalakan api*

21. Which of the group below have the same breathing organ?  
*Kumpulan manakah di bawah, mempunyai organ penafasan yang sama ?*

- A  , 
- B  , 
- C  , 
- D  , 

22. The information below shows a list of animals  
*Maklumat berikut menunjukkan satu senarai haiwan-haiwan.*

» Monkey	» J
<i>Monyet</i>	
» Bird	» Horse
<i>Burung</i>	<i>Kuda</i>

J is most probably  
*J berkemungkinan adalah*

- |                  |                    |
|------------------|--------------------|
| A catfish        | C whale            |
| <i>Ikan keli</i> | <i>Paus</i>        |
| B Praying mantis | D spider           |
| <i>Mentadak</i>  | <i>Labah-labah</i> |

23. Why is the grasshopper still alive even though its head is in the water?  
*Mengapakah belalang masih hidup walaupun kepalanya di dalam air?*

- A It can stop breathing for a few minutes  
*Ia boleh berhenti bernafas untuk beberapa minit.*
- B The breathing structure is at the abdomen  
*Struktur pernafasannya berada di abdomen*
- C It can breathe through its wings  
*Ia boleh bernafas melalui sayapnya*
- D It can breathe in water  
*Ia boleh bernafas dalam air*