NAMA:

KELAS : 4

Jawab semua soalan di bawah

1. Which of the following is true about observation?
Antara berikut, yang manakah benar tentang pemerhatian?
   A He did not come to school because of fever.
   Dia tidak hadir ke sekolah kerana demam.
   B If not fed, the cat will die.
   Jika tidak diberi makan, kucing itu akan mati.
   C The length of the teacher's table is 2 m after it was measured.
   Panjang meja guru itu ialah 2 m selepas diukur.
   D The colour of the water turn red after 1 day.
   Warna air berubah menjadi merah selepas 1 hari.

2. Diagram 1 shows an activity carried out by a friend.
Rajah 1 menunjukkan aktiviti yang telah dijalankan oleh seorang rakan.

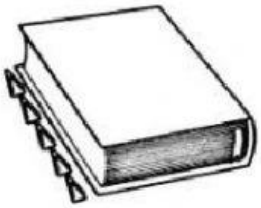


Diagram 1/*Rajah 1*

What is the science process skill involved?
Apakah kemahiran proses sains yang terlibat?

A Predicting/*Meramal*
B Measuring using numbers
Mengukur menggunakan nombor
C Controlling variables
Mengawal pemboleh ubah
D Communicating/*Berkomunikasi*

Anwers all the questions

3. Diagram 2 shows an investigation.
Rajah 2 menunjukkan suatu penyiasatan.

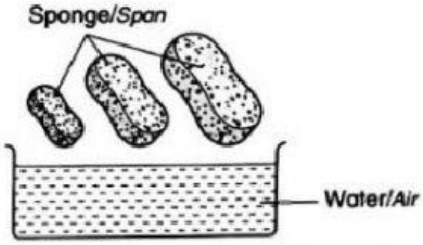


Diagram 2/*Rajah 2*

What is the manipulated variable in this investigation?
Apakah pemboleh ubah yang dimanipulasikan dalam penyiasatan ini?
A The rate of water absorption
Kadar serapan air
B The volume of water/*Isi padu air*
C The type of sponge/*Jenis span*
D The size of sponge/*Saiz span*

4. Which of the following is **NOT** relevant to experimenting?
Antara berikut, yang manakah **TIDAK** *berkaitan dengan mengeksperimen?*
A Controlling variables
Mengawal pemboleh ubah
B Making a hypothesis
Membuat hipotesis
C Observing/*Memerhati*
D Sequencing/*Membuat urutan*

5. Which of the following organs is involved in the breathing process?
Antara organ berikut, yang manakah terlibat dalam proses pernafasan?
A Kidneys
Ginjal
B Lungs
Peparu
C Skin
Kulit
D Large intestine
Usus besar

LIVEWORKSHEETS

6 Diagram I shows some of the internal organs of the human body.
Rajah I menunjukkan sebahagian daripada organ dalaman dalam badan manusia.

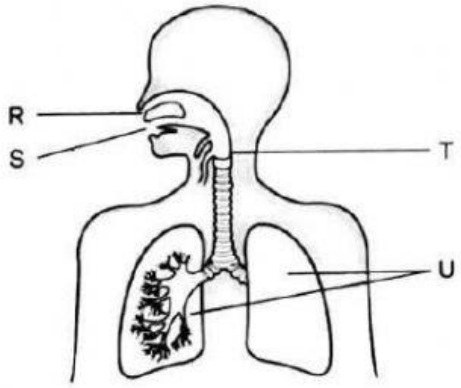


Diagram I/*Rajah I*

Which of the following is the correct passage of air during exhalation?
Antara berikut, yang manakah laluan udara yang betul semasa menghembus nafas?

A R, T, U
B S, T, U
C U, T, R
D T, R, S

7 What is the meaning of excretion?
Apakah yang dimaksudkan dengan perkumuhan?

A Removal of waste from the body.
Penyingkiran bahan buangan daripada badan.

B Inhalation of oxygen to the lungs.
Penyedutan oksigen ke peparu.

C Removal of carbon dioxide from the lungs.
Penyingkiran karbon dioksida daripada peparu.

D Removal of food waste from the body.
Penyingkiran sisa makanan daripada badan.

Diagram 3 shows Ramli's reaction when he saw a very bright light.
Rajah 3 menunjukkan tindakan yang diambil oleh Ramli apabila melihat cahaya yang sangat terang.

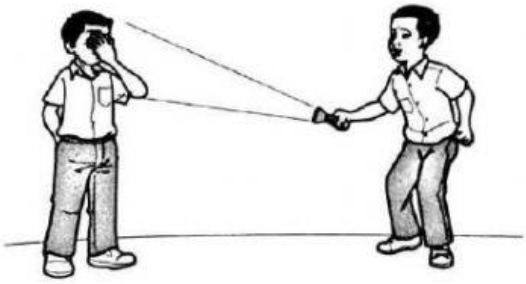


Diagram 3/*Rajah 3*

Which of the following describes Ramli's situation?
Antara berikut, yang manakah menerangkan keadaan Ramli?

A Humans protect themselves from danger.
Manusia berlindung daripada bahaya.

B Humans respond to stimuli.
Manusia bergerak balas terhadap rangsangan.

C Humans excrete.
Manusia berkumuh.

D Humans defecate.
Manusia bernyahtinja.

LIVEWORKSHEETS

9 Which of the following animals breathe through its gills?
Antara haiwan berikut, yang manakah bernafas melalui insangnya?

A

B

C

D

10 Which of the following animals is matched with the right breathing organ?
Antara haiwan berikut, yang manakah dipadankan dengan organ pernafasan yang betul?

	Animal *Haiwan*	Breathing organ *Organ pernafasan*
A	Worm *Cacing tanah*	Moist skin *Kulit lembap*
B	Housefly *Lalat*	Lungs *Peparu*
C	Penguin *Penguin*	Gills *Insang*
D	Shrimp *Udang*	Spiracles *Spirakel*

11 Diagram 1 shows the breathing organ of fish.
Rajah 1 menunjukkan organ pernafasan ikan.

Diagram 1/*Rajah 1*

Which of the following animals uses this breathing organ?
Antara haiwan berikut, yang manakah menggunakan organ pernafasan tersebut?

A Dolphin *Ikan lumba*
B Kangaroo *Kanggaru*
C Housefly *Lalat*
D Crab *Ketam*

12 Diagram 2 shows three animals.
Rajah 2 menunjukkan tiga haiwan.

Diagram 2/*Rajah 2*

What is the similarity between the three animals?
Apakah persamaan antara ketiga-tiga haiwan tersebut?

A Breathe through lungs
Bernafas melalui peparu
B Breathe through spiracles
Bernafas melalui spirakel
C Breathe through gills
Bernafas melalui insang
D Breathe through moist skin
Bernafas melalui kulit lembap

LIVEWORKSHEETS

13. Which of the following parts of plants respond to water?
Antara bahagian tumbuhan berikut, yang manakah bergerak balas terhadap air?

A

B

C

D

14 Diagram 3 shows the condition of mimosa leaves after they are touched.
Rajah 3 menunjukkan keadaan daun pokok semalu selepas disentuh.

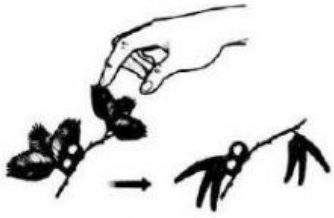


Diagram 3/*Rajah 3*

Which of the following explains the observation?
Antara yang berikut, yang manakah menerangkan pemerhatian tersebut?

A Leaves of the mimosa plant expand and contract.
Daun semalu mengembang dan menguncup.

B The mimosa plant needs light to live.
Pokok semalu memerlukan cahaya untuk hidup.

C The mimosa plant can move.
Pokok semalu boleh bergerak.

D The leaves of the mimosa plant respond to stimuli.
Daun pokok semalu bergerak balas terhadap rangsangan.

15. What is the process of green plants making their own food?
Apakah proses tumbuhan hijau membuat makanannya sendiri?

A Transpiration
Transpirasi

B Photosynthesis
Fotosintesis

C Respond
Bergerak balas

D Reproduce
Membiak

16 Which of the following is a requirement of plants for photosynthesis?
Antara yang berikut, yang manakah merupakan keperluan tumbuhan untuk fotosintesis?

A Food/*Makanan*

B Starch/*Kanji*

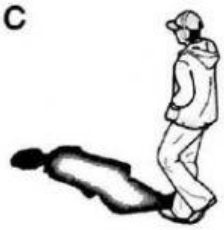
C Sunlight/*Cahaya matahari*

D Oxygen/*Oksigen*

17. Which of the following shows that light travels in straight lines?
Antara yang berikut, yang manakah menunjukkan cahaya bergerak lurus?

A

B

C


D

18. What is the characteristic of an object that forms shadows?
Apakah sifat sesuatu objek yang membentuk bayang-bayang?

A Opaque/*Legap*

B Transparent/*Lut sinar*

C Translucent/*Lut cahaya*

D Hard and shiny/*Keras dan berkilat*

LIVEWORKSHEETS

18 Diagram 1 shows an investigation to investigate the formation of a shadow.
Rajah 1 menunjukkan satu penyiasatan untuk menyiasat pembentukan bayang-bayang.

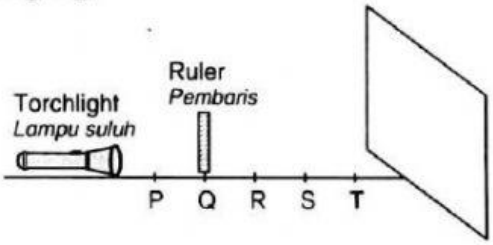


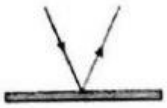
Diagram 1/*Rajah 1*

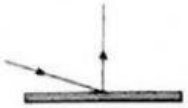
Which positions, P, R, S and T will produce the shortest shadow of the ruler?
Antara kedudukan P, R, S dan T, yang manakah akan menghasilkan bayang-bayang pembaris yang paling pendek?

A P **B** R
C S **D** T

19. Which of the following ray diagrams shows the correct reflection of light rays on the surface of the plane mirror?
Antara rajah sinar berikut, yang manakah menunjukkan pantulan cahaya yang betul pada permukaan cermin satah?

A

B

C

D


20. How is sound produced?
Bagaimana bunyi dihasilkan?

A Through the reflection of light
Melalui pantulan cahaya
B Through primary energy sources
Melalui sumber tenaga utama
C Through the vibration of an object
Melalui getaran sesuatu objek
D Through the movement of objects
Melalui pergerakan objek-objek

21 Diagram 2 shows an ambulance.
Rajah 2 menunjukkan sebuah ambulans.

Diagram 2/*Rajah 2*

Why is the sound made by an ambulance a useful sound?
Mengapakah bunyi yang dihasilkan oleh ambulans merupakan bunyi yang bermanfaat?

A The sound can scare people.
Bunyi ini dapat menakutkan orang ramai.
B The sound can give an emergency alert.
Bunyi ini dapat memberi amaran kecemasan.
C The sound can awaken us when we are sleeping.
Bunyi ini dapat mengejutkan kita daripada tidur.
D The sound can entertain us.
Bunyi ini dapat memberi hiburan kepada kita.

22. Which of the following is a sound that is harmful?
Antara yang berikut, yang manakah bunyi yang memudaratkan?

A

B

C

D

LIVEWORKSHEETS

23. Which of the following devices produces sound by plucking?
Antara alat berikut, yang manakah menghasilkan bunyi dengan cara memetik?

A

B

C

D

24. Diagram 1 shows an appliance used to cook rice.
Rajah 1 menunjukkan alat yang digunakan untuk memasak nasi.

Diagram 1/*Rajah 1*

What is the energy transformation that happens in this appliance?
Apakah perubahan bentuk tenaga yang berlaku dalam alat ini?

A Electrical energy → light energy
Tenaga elektrik → tenaga cahaya

B Chemical energy → electrical energy → heat energy
Tenaga kimia → tenaga elektrik → tenaga haba

C Electrical energy → heat energy
Tenaga elektrik → tenaga haba

D Chemical energy → heat energy
Tenaga kimia → tenaga haba

25 Which of the following is the main source of energy?
Antara yang berikut, yang manakah sumber tenaga yang paling utama?

A Battery/*Bateri*

B The Sun/*Matahari*

C Fossil fuel/*Bahan api fosil*

D Waves/*Ombak*

26 What is meant by renewable energy?
Apakah yang dimaksudkan dengan tenaga yang boleh dibaharui?

A Energy that is easily available.
Tenaga yang mudah didapati.

B Energy that can be transformed.
Tenaga yang boleh berubah-ubah.

C Energy that can be generated continuously.
Tenaga yang boleh dijana secara berterusan.

D Energy that is obtained from natural sources.
Tenaga yang diperolehi daripada sumber semula jadi.

27 Diagram 2 shows the dynamo of a bicycle.
Rajah 2 menunjukkan dinamo basikal.

Diagram 2/*Rajah 2*

What form of energy is produced?
Apakah bentuk tenaga yang dihasilkan?

A Sound energy
Tenaga bunyi

B Electrical energy
Tenaga elektrik

C Heat energy
Tenaga haba

D Potential energy
Tenaga keupayaan

LIVEWORKSHEETS

28 What is the most suitable material to make the body of a pan?
Apakah bahan yang paling sesuai untuk membuat badan kuali?

A Plastic/*Plastik*
B Metal/*Logam*
C Hardwood/*Kayu keras*
D Rubber/*Getah*

29 Diagram 1 shows a pair of pliers.
Rajah 1 menunjukkan satu playar.

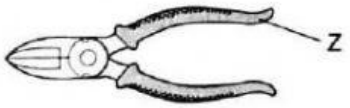


Diagram 1/*Rajah 1*

Which of the following materials is used to make part Z?
Antara bahan berikut, yang manakah digunakan untuk membuat bahagian Z?

A Rubber/*Getah* **B** Plastic/*Plastik*
C Glass/*Kaca* **D** Wood/*Kayu*

30 Diagram 2 shows a kettle.
Rajah 2 menunjukkan sebuah cerek.

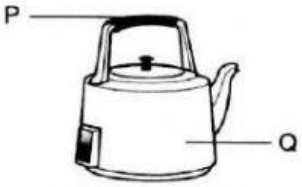


Diagram 2/*Rajah 2*

What materials are used for making parts P and Q?
Apakah bahan yang digunakan untuk membuat bahagian P dan Q?

	P	Q
A	Metal/*Logam*	Metal/*Logam*
B	Rubber/*Getah*	Plastic/*Plastik*
C	Plastic/*Plastik*	Metal/*Logam*
D	Glass/*Kaca*	Plastic/*Plastik*

31 The information below shows characteristics of material X.
Maklumat di bawah menunjukkan sifat-sifat bahan X.

- Can be stretched
  Boleh diregangkan
- Floats in water
  Terapung dalam air

What is material X?
Apakah bahan X?

A Wood/*Kayu*
B Metal/*Logam*
C Leather/*Kulit*
D Rubber/*Getah*

32 Diagram 4 shows a pan.
Rajah 4 menunjukkan sebuah kuali.

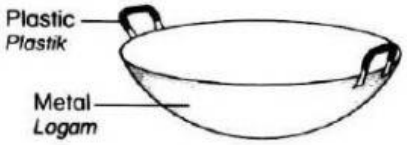


Diagram 4/*Rajah 4*

Why are metal and plastic used to make this pan?
Mengapakah logam dan plastik digunakan untuk membuat kuali ini?

	Metal/*Logam*	Plastic/*Plastik*
A	Waterproof *Kalis air*	Opaque *Bahan legap*
B	Heat conductor *Konduktor haba*	Absorbs water *Menyerap air*
C	Durable *Tahan lasak*	Non-rusting *Tahan karat*
D	Heat conductor *Konduktor haba*	Heat insulator *Penebat haba*

LIVEWORKSHEETS

33 Which of the following statements is true?
Antara pernyataan berikut, yang manakah benar?

A Earth's gravitational attraction changes according to the place on the surface of the Earth.
Daya tarikan graviti Bumi berubah mengikut tempat di permukaan Bumi.

B The attraction acting between two objects is the gravitational force of the Earth.
Daya tarikan yang bertindak di antara dua objek merupakan daya tarikan graviti Bumi.

C Not all objects are drawn towards the center of the Earth.
Tidak semua objek ditarik ke arah pusat Bumi.

D The length of an object is affected by the gravitational force of the Earth.
Panjang sesuatu objek dipengaruhi oleh daya tarikan graviti Bumi.

34 Diagram 1 shows a boy throwing a ball upwards.
Rajah 1 menunjukkan seorang budak melambung bola ke atas.

Diagram 1/*Rajah 1*

What will happen to the ball after a while?
Apakah yang akan berlaku pada bola tersebut selepas seketika?

A The ball will keep moving upwards.
Bola itu akan terus bergerak ke atas.

B The ball will fall down.
Bola itu akan jatuh ke bawah.

C The ball will float in the air.
Bola itu kekal terapung di udara.

D The ball will move forward.
Bola itu akan bergerak ke hadapan.

35 How long does the Earth take to make a complete revolution around the Sun?
Berapa lamakah masa bagi Bumi untuk membuat satu peredaran lengkap mengelilingi Matahari?

A 24 hours
24 jam

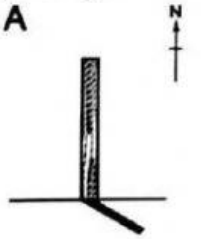
B 28 days
28 hari

C $365\frac{1}{4}$ days
$365\frac{1}{4}$ *hari*

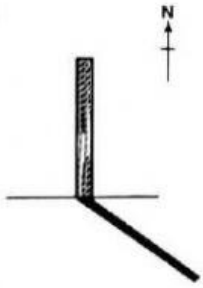
D 100 years
100 tahun

36 Which of the following diagram is the correct direction and length of a shadow at 4.00 p.m.? **HOTS** Analysing
Antara rajah berikut, yang manakah betul bagi arah dan panjang bayang-bayang kayu pada waktu 4.00 petang?

A



B



C

D

LIVEWORKSHEETS

37 Diagram 1 shows a fishing rod being used.
Rajah 1 menunjukkan sebatang joran yang sedang digunakan. **HOTS** Applying

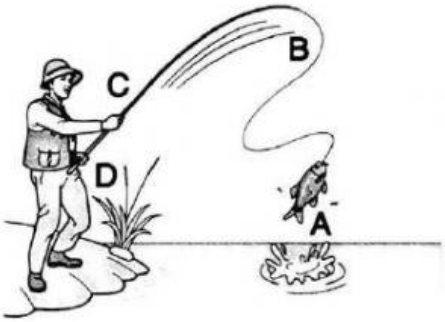


Diagram 1/*Rajah 1*

Between **A**, **B**, **C** and **D**, which is the fulcrum?
Antara **A**, **B**, **C** *dan* **D**, *yang manakah adalah fulkrum?*

38 Which of the following devices uses the inclined plane?
Antara alat berikut, yang manakah menggunakan satah condong?

A Knife/*Pisau*
B Stairs/*Tangga*
C Tap/*Kepala paip*
D Bottle opener/*Pembuka botol*

39 Diagram 2 shows a type of tool that can be found at home.
Rajah 2 menunjukkan sejenis alat yang terdapat di rumah.

Diagram 2/*Rajah 2*

What type of simple machine does **NOT** exist in this tool?
Apakah jenis mesin ringkas yang **TIDAK** *terdapat pada alat ini?*

A Wedge/*Baji*
B Gear/*Gear*
C Wheel and axle/*Roda dan gandar*
D Lever/*Tuas*

40 Diagram 3 shows a man changing a car tire.
Rajah 3 menunjukkan seorang lelaki sedang menukar tayar kereta.

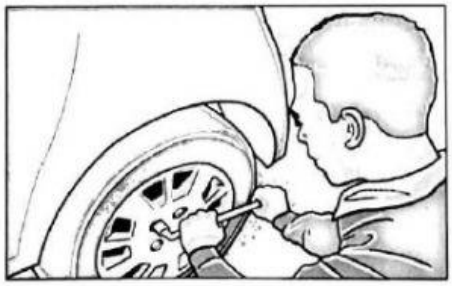


Diagram 3/*Rajah 3*

From the following simple machines, which can help to solve the problem?
Antara mesin ringkas berikut, yang manakah dapat membantu menyelesaikan masalahnya?

A Gear/*Gear*
B Pulley/*Takal*
C Wheel and axle/*Roda dan gandar*
D Lever/*Tuas*

By MR JIMIE

LIVEWORKSHEETS