

028

Science 科学

1 $\frac{1}{4}$ 小时

PEJABAT PELAJARAN DAERAH SEREMBAN
NEGERI SEMBILAN DARUL KHUSUS

UJIAN SETARA
SEKOLAH RENDAH DAERAH SEREMBAN
2013

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SCIENCE 科学

Satu jam lima belas minit

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

1. *Kertas soalan ini adalah dalam Bahasa Inggeris mengandungi dua bahagian: **Bahagian A dan Bahagian B.***
2. *Rajah yang mengiringi masalah dalam kertas soalan ini dimaksudkan untuk memberi maklumat yang berguna bagi menjawab soalan. Rajah tidak semestinya dilukis mengikut skala, kecuali dinyatakan sebaliknya.*
3. **Bahagian A ada 30 soalan. Jawab semua soalan.**
4. *Jawab dengan menghitamkan ruangan pada **Kertas Jawapan Bahagian A.***
5. **Bahagian B ada 5 soalan. Jawab semua soalan.**
6. *Jawab dengan menulis jawapan kamu dalam ruang yang disediakan.*

Kertas soalan ini mengandungi 21 halaman bercetak di Bahagian A
dan 10 halaman bercetak di Bahagian B

Section A**A 组**

[30 marks]

[30 分]

Answer **all** questions

回答所有试题

- 1 Diagram 1 shows a fish in an aquarium.

图 1 显示在鱼缸里的一条鱼。

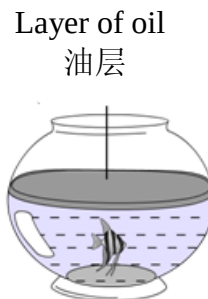


Diagram 1

图 1

What will happen to the fish after a few hours?

几个小时后这条鱼将会怎样?

- A The number of fish will increase
鱼的数量将会增加
- B The fish will lay eggs
鱼将会产卵
- C The fish will faint
鱼将会昏迷
- D The fish will die
鱼将会死亡

- 2 Diagram 2 shows the organs involved when humans breathe.
图 2 显示人类呼吸时所用到的器官。

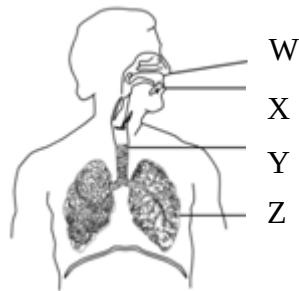


Diagram 2
图 2

Which is the breathing organs of humans?

哪一个 是 人类 的 呼吸 器官?

- | | | | |
|---|---|---|---|
| A | W | C | Y |
| | X | D | Z |

- 3 The following information shows some living things.
以下的资料显示几种生物。

W	– Rat
	老鼠
X	– Eagle
	老鹰
Y	– Paddy plant
	稻米
Z	– Snake
	蛇

Which of the following sequence is the correct food chain?

以下哪一条食物链的排列是正确的?

- | | |
|---|---------------|
| A | W → Y → X → Z |
| B | Y → W → Z → X |
| C | W → Z → Y → X |
| D | Y → Z → X → W |

- 4 Diagram 3 shows four types of fruit, P, Q, R and S.
图 3 显示四种水果 , P, Q, R 和 S.

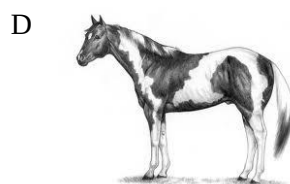


Diagram 3
图 3

Which of the following ways for the fruits to disperse the seeds is correct?
根据植物传播种子的方法，以下哪项搭配是正确的？

	Fruit 果实	Way of dispersal 传播种子的方法
A	P	Water 水力
B	Q	Explosive mechanism 自动爆裂
C	R	Animal 动物
D	S	Wind 风力

- 5 Which of the following is an endangered animal?
以下哪一种动物濒临绝种？



- 6 What will happen to the Earth if human activities are not controlled?
如果人类的活动没有受到控制，对地球会造成什么后果？

I Sea levels will drop
海平面会下降

II Earth's resources will increase
地球的资源会增加

III Endangered species will extinct due to destruction of habitat
因为栖息地遭到破坏，濒临绝种的物种将会绝种

IV The balance in nature will be disturbed
自然生态平衡将遭到破坏

A I and II
I 和 II

C II and III
II 和 III

B I and IV
I 和 IV

D III and IV
III 和 IV

- 7 Diagram 4 shows a stopwatch.
图 4 显示一个秒表。

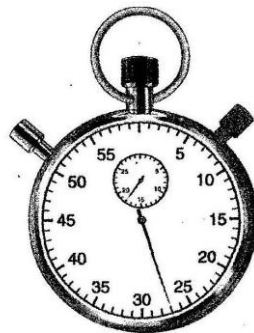


Diagram 4
图 4

Which of the following readings is correct?
以下哪一个读数是正确的？

A 18 minutes 27 seconds
18 分 27 秒

C 18 minutes 25 seconds
18 分 25 秒

B 18 minutes 20 seconds
18 分 20 秒

D 18 minutes 18 seconds
18 分 18 秒

- 8 Diagram 5 shows the mass of four apples on a compression balance.
图 5 显示了 4 个放在压缩秤上的苹果的质量。

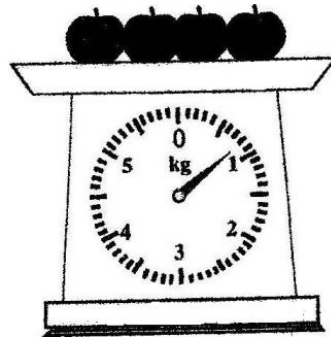


Diagram 5
图 5

What is the mass of two apples?
2 个苹果的质量是多少?

- | | |
|---------|---------|
| A 100 g | C 400 g |
| B 200 g | D 800 g |
- 9 What is meant by area?
什么是面积?
- A Size of space
空间的大小
 - B Size of surface
表面的大小
 - C Distance between two point
两个点之间的距离
 - D Height of an object
物体的高度

- 10 Diagram 6 shows a sailor in a submarine observing an island under the sea level using a device P.

图 6 显示一个在潜水艇里的水手在海平面下利用工具 P 来观察一个岛。

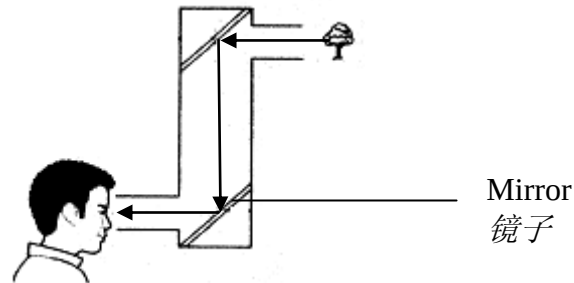


Diagram 6
图 6

Device P can function because light
工具 P 能操作是因为光

- I can be reflected
能被反射
- II can be blocked
能被阻挡
- III travels in straight lines
沿直线传播
- IV can travels through transparent object
能透过透明体

A I and II
I 和 II

C I and IV
I 和 IV

B I and III
I 和 III

D II and IV
II 和 IV

- 11 Table 1 shows the temperature of water recorded by Fatin from 0 minute to the 4 minute.

表 1 显示法丁在 0 至 4 分钟所记录的水的温度。

Time (minutes) 时间 (分钟)	0	1	2	3	4
Temperature of water ($^{\circ}\text{C}$) 水温 ($^{\circ}\text{C}$)	29	40	51	62	73

Table 1

表 1

What is the correct conclusion about the water based on this investigation?

根据上述实验的结果，以下哪一项关于水的结论是正确的？

- A Gains heat
获得热能
- B Loses heat
失去热能
- C Contracts
收缩
- D Expands
膨胀
- 12 Diagram 7 shows a beam of light directed to an object and a screen.
图 7 显示一道光照射在一个物体和一个屏幕上。

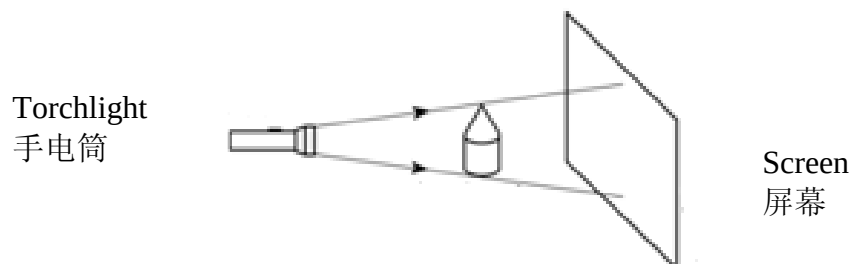
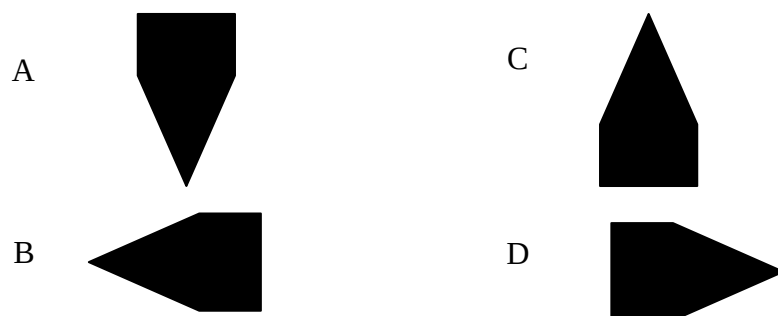


Diagram 7

图 7

Which of the following shows the shadow of the object on the screen?

以下哪一项显示了物体在屏幕上的影子？



[Lihat sebelah

13. Which of the following objects can be prevented from rusting by painting?

以下哪几项可以利用鬆漆的方法来防锈?

I Car
汽车

III Bicycle chain
自行车链条

II Saw
锯子

IV Gate
篱笆门

A I and III
I 和 III

C I and IV
I 和 IV

B II and IV
II 和 IV

D II and III
II 和 III

14 Diagram 8 shows three groups of objects.

图 8 显示 3 组物体。

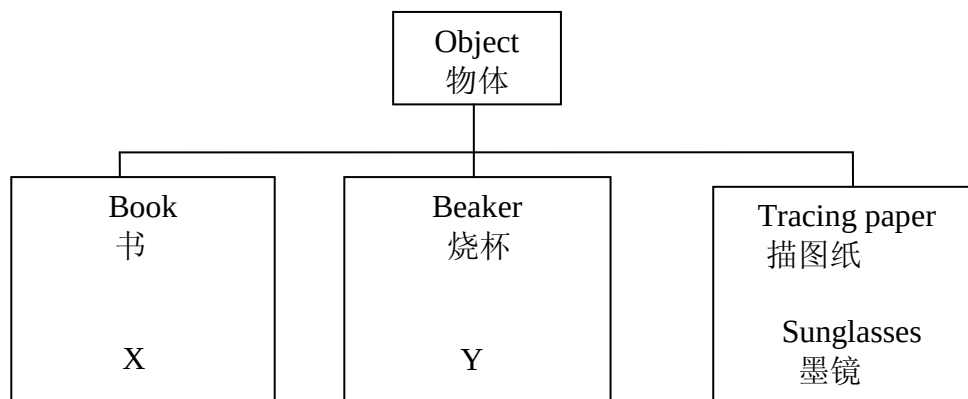


Diagram 8

图 8

Which of the following can be represent X and Y.
以下哪一项可以代表 X 和 Y。

	X	Y
A	Plastic bag 塑料袋	Paper cup 纸杯
B	Black paper 黑色纸张	Aquarium 鱼缸
C	Tissue paper 纸巾	Wooden ruler 木尺
D	Glass 玻璃杯	Plastic bag 塑料袋

- 15 Diagram 9 shows three different types of objects immersed in hot water.
图 9 显示被侵入热水里的三种不同的物体。

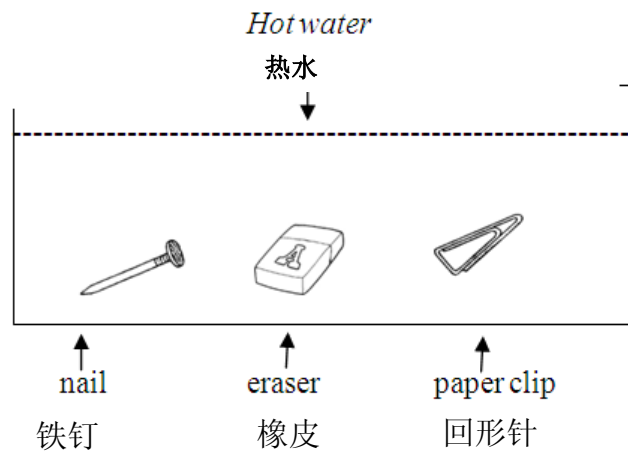


Diagram 9
图 9

Which of the following statement is correct?
以下哪项说明是正确的?

- A The eraser is a heat conductor
橡皮是热导体
- B The nail is a heat conductor
铁钉是热导体
- C The paper clip and the nail are not heat conductors
回形针和铁钉不是热导体
- D The nail and the eraser are heat conductors
铁钉和橡皮是热导体

16 Which of the following materials change the colour of red litmus paper to blue ?
下列哪种物质将红色石蕊试纸变成蓝色?



Shampoo
洗发液

P



Cooking oil
食油

Q



Vinegar
醋

R



Baking powder
发酵粉

S

- | | | | |
|---|------------------|---|------------------|
| A | P and R
P 和 R | C | Q and R
Q 和 R |
| B | Q and S
Q 和 S | D | P and S
P 和 S |

17 Diagram 10 shows the stages in the water cycle.

图 10 显示水的循环过程。

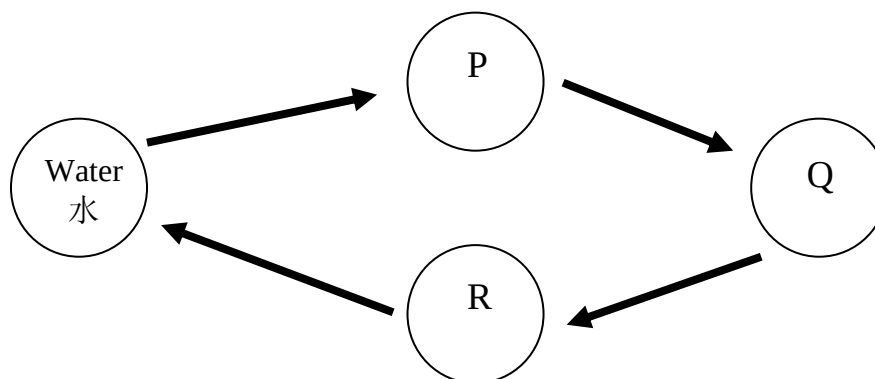


Diagram 10

图 10

Which of the following is the correct sequence of the stages?

下列哪项的排列是正确的？

	P	Q	R
A	Rain 雨	Water vapour 水蒸气	Cloud 云
B	Cloud 云	Water vapour 水蒸气	Rain 雨
C	Rain 雨	Cloud 云	Water vapour 水蒸气
D	Water vapour 水蒸气	Cloud 云	Rain 雨

- 18 Which of the following ways to keep our sources of water clean?
下列哪些方法可以保持水源的清洁?

- I Build factories along the river bank
把工厂建在沿河地带
- II Reduce the use of pesticides in the farms
减少在农田喷射农药
- III Do not throw rubbish into the rivers
不把垃圾丢进河里
- IV Release chemical waste into the river
把化学废料排入河里

- | | | | |
|---|----------------------|---|------------------------|
| A | I and III
I 和 III | C | II and III
II 和 III |
| B | II and IV
II 和 IV | D | III and IV
III 和 IV |

- 19 The following information shows the characteristics of an object *P* in the Solar System.
以下资料显示物体 *P* 在太阳系里的特性。

- It is made of pieces of ice in space
它是由太空里的碎冰块组成的
- Develops a glowing head and a tail when nearing the Sun
当靠近太阳时，会形成一条发光的尾巴

What is the object *P*?
物体 *P* 是什么?

- | | | | |
|---|--------------|---|---------------------------|
| A | Comet
彗星 | C | Asteroids
小行星 |
| B | Meteor
流星 | D | Natural satellite
天然卫星 |

- 20 Which of the following will happen if the distance of the Earth from the Sun increases from 150 million km to 250 million km?

如果太阳与地球的距离从 150 百万公里增加至 250 百万公里，地球将会有什么后果？

- I Water will frozen
水将结成冰
- II Human will grow healthy
人类将会健康的生长
- III The temperature of the Earth will decreases
地球上的温度将会下降
- IV Water will disappear from the Earth's surface
地球表面的水将会消失

A I and III
I 和 III

C II and III
II 和 III

B I and IV
I 和 IV

D II and IV
II 和 IV

- 21 Diagram 11 shows the relative distance between the Sun, the Earth and the Moon which is represented by object S, T and U.

图 11 显示物体 S, T 和 U 分别代表太阳地球和月球之间的距离比率。

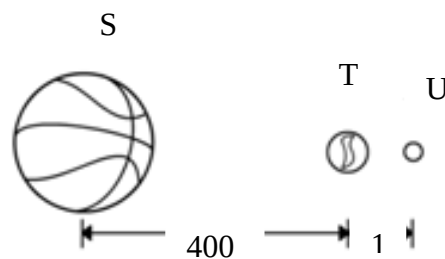


Diagram 11

图 11

Which of the following represent S, T and U?
 以下哪个代表 S, T, 和 U?

	S	T	U
A	Earth 地球	Moon 月球	Sun 太阳
B	Moon 月球	Earth 地球	Sun 太阳
C	Sun 太阳	Moon 月球	Earth 地球
D	Sun 太阳	Earth 地球	Moon 月球

- 22 Diagram 12 shows four locations, *P*, *Q*, *R* and *S*, on the Earth's surface.
 图 12 显示在地球表面的 4 个位置, *P*, *Q*, *R* 和 *S* 。

Sunlight
 太阳

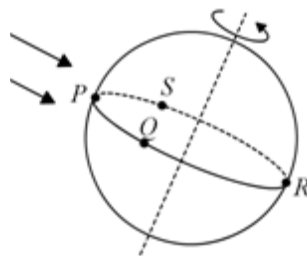


Diagram 12
 图 12

Which location is experiencing night-time?
 哪个位置是经历夜晚?

- A P
- B Q
- C R
- D S

23 Diagram 13 shows the phases of the Moon.

图 13 显示月相变化。

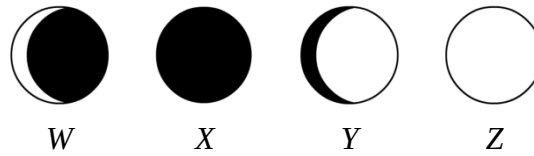


Diagram 13

图 13

Starting with the new moon, arrange the phases of the Moon in the correct sequence.

由新月开始，排列正确的月相变化。

- A X, Y, Z, W
- B X, Z, W, Y
- C Z, W, X, Y
- D Z, X, Y, W

24 Diagram 14 shows an object placed on the ground to study the position of the shadow formed at different time.

图 14 显示某个物体被置放在地上以探讨影子在不同的时间内所形成的位置。

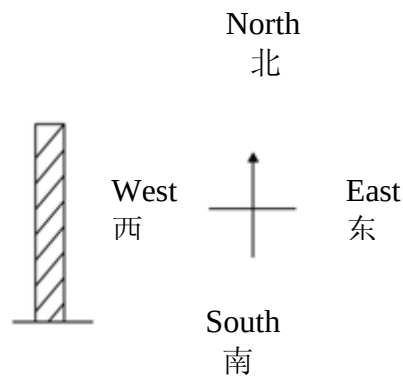


Diagram 14

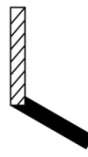
图 14

Which of the following shows the correct position of the shadow at 10.00 a.m.?
以下哪项显示在早上十时的影子?

A



C



B



D



25 Which of the following is used to overcome the sight limitation of a human?
以下哪项是用来克服人类视力的极限?

A



C



B



D



- 26 Diagram 15 shows the development of technology in water transport.
图 15 显示水路交通工具的工艺进展。

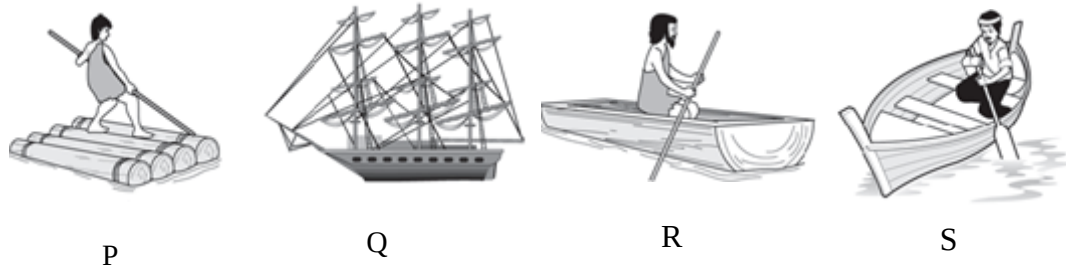
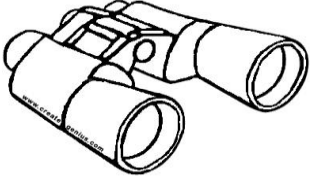
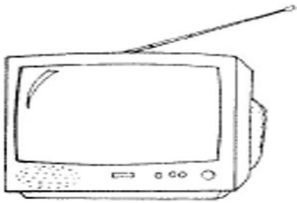
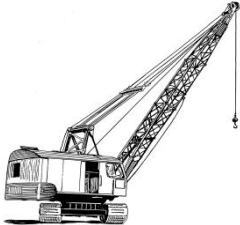


Diagram 16
图 16

The correct sequence is
正确的排列是

- | | | | |
|---|---|---|---|
| A | $R \rightarrow P \rightarrow S \rightarrow Q$ | C | $P \rightarrow Q \rightarrow R \rightarrow S$ |
| B | $Q \rightarrow S \rightarrow P \rightarrow R$ | D | $S \rightarrow Q \rightarrow R \rightarrow P$ |

- 27 Which of the following is **correctly** matched ?
下列哪项搭配是正确的?

	Device 工具	Function 功能
A		To see the microorganisms 用来观察细小的微生物
B		To deliver information 用来传达资讯
C		To see objects that are far away 用来看遥远的物体。
D		To lift heavy objects 用来提起重物

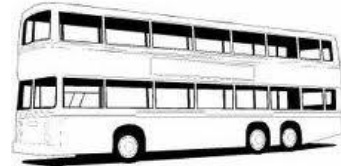
- 28 Which of the following vehicles is the least stable when it takes a turn at high speed?

以下哪种交通工具在急速转弯时是最不稳定?

A



C



B



D



- 29 Diagram 16 shows three types of models J, K and L.
图 16 显示 3 个模型 J, K 和 L.

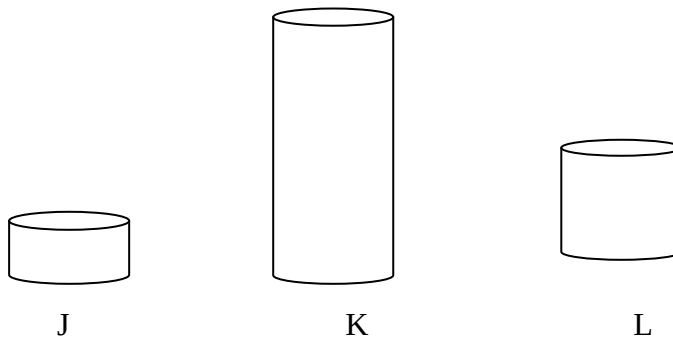


Diagram 17
图 17

Which is the correct sequence that shows the stability of the models in decreasing?

以下哪项排列显示模型的稳定性逐渐减少?

- A J → K → L
B K → L → J
C L → K → J
D J → L → K

- 30 Diagram 17 shows an apartment.
图 17 显示一座公寓。

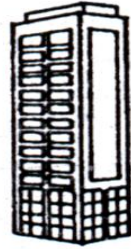


Diagram 17
图 17

What can be done to make the apartment more stable?
怎样才能使公寓更稳定?

- A Use heavy material
采用重的材料
- B Use light materials
采用轻的材料
- C Make the base wider
加宽底部面积
- D Increase the number of floors
增加楼层的数量