1. Antara berikut, yang manakah benar tentang kepentingan sains dalam kehidupan seharian?
Which of the following are true about the importance of science in daily life?

I Menyebabkan komunikasi menjadi lebih lambat
Causing communication to be slower

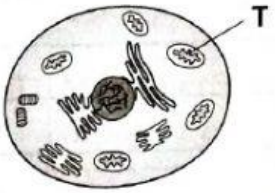
II Mengawal penyakit berjangkit
Controlling infectious disease

III Menyumbang kepada bidang kejuruteraan
Contribute to engineering field

IV Mengurangkan hasil tanaman
Reducing crop yield

A I dan II / *I and II*
B I dan III / *I and III*
C II dan III / *II and III*
D III dan IV / *III and IV*

2. Rajah 1 menunjukkan satu sel yang diperhatikan di bawah mikroskop.
Diagram 1 shows a cell being observed under the microscope.



Rajah 1 / *Diagram 1*

Apakah fungsi **T**?
What is the function of **T**?

A Menghasilkan tenaga
Produces energy

B Mengawal semua aktiviti sel
Controls all the activities of the cell

C Tempat bagi tindak balas kimia berlaku
Place for chemical reactions to take place

D Melindungi dan memberi bentuk kepada sel / *Protects and maintains the shape of the cell*

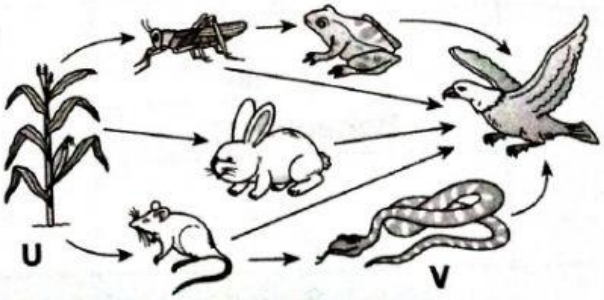
3. Maklumat berikut menerangkan ciri-ciri sepunya bagi haiwan **R**.
The following information describes the common characteristics for animal **R**.

- Homoioterma / *Homeothermic*
- Menghasilkan telur yang bercangkerang keras
  Produce eggs with hard shell

Berdasarkan maklumat di atas, apakah **R**?
Based on the information above, what is **R**?

A Itik / *Duck*
B Penyu / *Turtle*
C Katak / *Frog*
D Ikan kerapu / *Grouper*

4. Rajah 2 menunjukkan suatu siratan makanan. / *Diagram 2 shows a food web.*



Rajah 2 / *Diagram 2*

Apakah organisma **U** dan organisma **V**?
What are organism **U** *and* **V**?

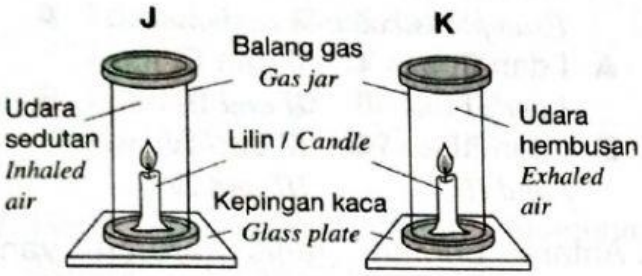
	U	V
A	Pengeluar *Producer*	Pengguna primer *Primary consumer*
B	Pengguna primer *Primary consumer*	Pengguna sekunder *Secondary consumer*
C	Pengeluar *Producer*	Pengguna sekunder *Secondary consumer*
D	Pengguna sekunder *Secondary consumer*	Pengguna tertier *Tertiary consumer*

LIVEWORKSHEETS

5. Tangan Siti telah digigit semut api. Reseptor kulit yang manakah mengesan rangsangan ini? / *Siti's hand is bitten by fire ant. Which of the skin receptor that detects this stimuli?*

A Reseptor sakit / *Pain receptor*
B Reseptor sentuhan / *Touch receptor*
C Reseptor tekanan / *Pressure receptor*
D Reseptor haba / *Heat receptor*

6. Rajah 3 menunjukkan susunan radas suatu eksperimen. / *Diagram 3 shows apparatus set-up of an experiment.*



Rajah 3 / *Diagram 3*

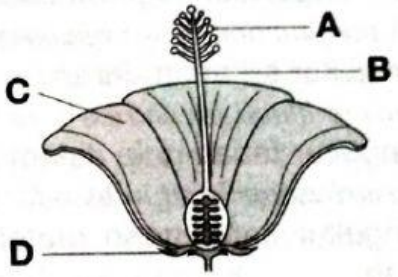
Apakah yang akan berlaku kepada api lilin dalam balang **J** dan **K**? / *What will happen to the candle flame in jar* **J** *and* **K**?

A Api lilin dalam balang **J** padam lebih cepat daripada api lilin dalam balang **K** / *Candle flame in jar* **J** *blows out faster than candle flame in jar* **K**
B Api lilin dalam balang **J** padam lebih lambat daripada api lilin dalam balang **K** / *Candle flame in jar* **J** *blows out slower than candle flame in jar* **K**
C Api lilin dalam balang **J** dan **K** mengambil masa yang sama untuk padam / *Candle flame in jar* **J** *and* **K** *blow out in same time*
D Api lilin dalam balang **J** dan **K** tidak akan padam sehingga lilin habis
Candle flame in jar **J** *and* **K** *will not blow out until the candle run out*

7. Mengapakah stoma pada tumbuhan tertutup pada suhu yang terlalu tinggi?
Why the stoma on the plant is close during high temperature?

A Meningkatkan aktiviti penyejatan air daripada daun / *Increase water evaporation activity from the leaf*
B Mengurangkan air yang tersejat melalui transpirasi
Reduce the amount of water evaporated through transpiration
C Menggalakkan penyerapan air dari tanah
Encourage water absorption from the soil
D Untuk menyimpan makanan dalam daun
To store food inside the leaf

8. Rajah 4 menunjukkan bahagian-bahagian bunga.
Diagram 4 shows the parts of a flower.



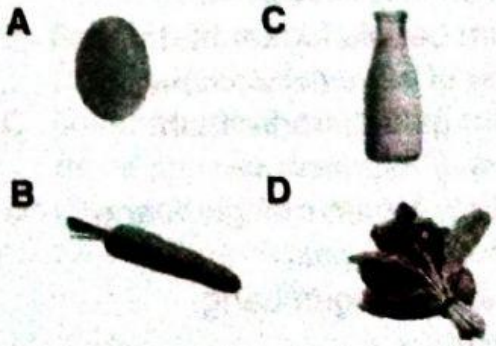
Rajah 4 / *Diagram 4*

Bahagian **A**, **B**, **C** atau **D**, yang manakah melindungi bunga pada peringkat kudup?
Which part of **A**, **B**, **C** *or* **D** *that protects flower during the bud stage?*

9. Maklumat berikut menerangkan tentang kepentingan vitamin **X**.
The following information describes about the importance of vitamin **X**.

Vitamin **X** memelihara fungsi sistem saraf. / *Vitamin* **X** *maintains the functions of the nervous system.*

Apakah sumber vitamin **X**?
What is the source of vitamin **X**?



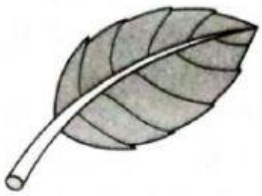
LIVEWORKSHEETS

Jawab **semua** soalan.
Answer **all** *questions.*

1. (a) Bulatkan **dua** contoh jirim.
Circle **two** *examples of matter.*

W

X

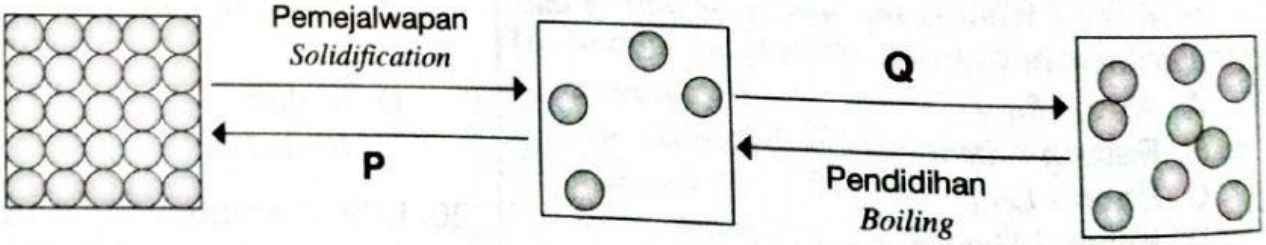


Y

Z

[2 markah / *marks*]

(b) Rajah 1 menunjukkan kesan haba kepada jirim.
Diagram 1 *shows the effect of heat on matters.*



Rajah 1 / *Diagram* 1

Nyatakan proses **P** dan **Q**.
State the process of **P** *and* **Q**.

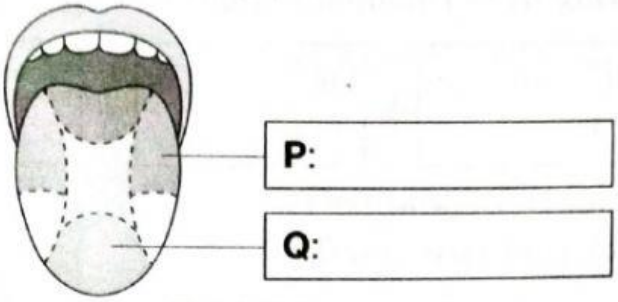
P: _____

Q: _____

[2 markah / *marks*]

LIVEWORKSHEETS

2. (a) Rajah 2 menunjukkan kawasan yang berbeza pada lidah manusia.
Diagram 2 shows different areas on human's tongue.



Rajah 2 / *Diagram 2*

Labelkan **P** dan **Q**.
Label **P** *and* **Q**.

[2 markah / *marks*]

(b) Padankan kanta yang berikut dengan fungsi yang betul.
Match the following lens with the correct function.

	Kanta *Lens*
(i)	
(ii)	

Fungsi *Function*
Membetulkan rabun dekat *Fixes long-sightedness*
Membetulkan astigmatisme *Fixes astigmatism*
Membetulkan rabun jauh *Fixes short-sightedness*

[2 markah / *marks*]

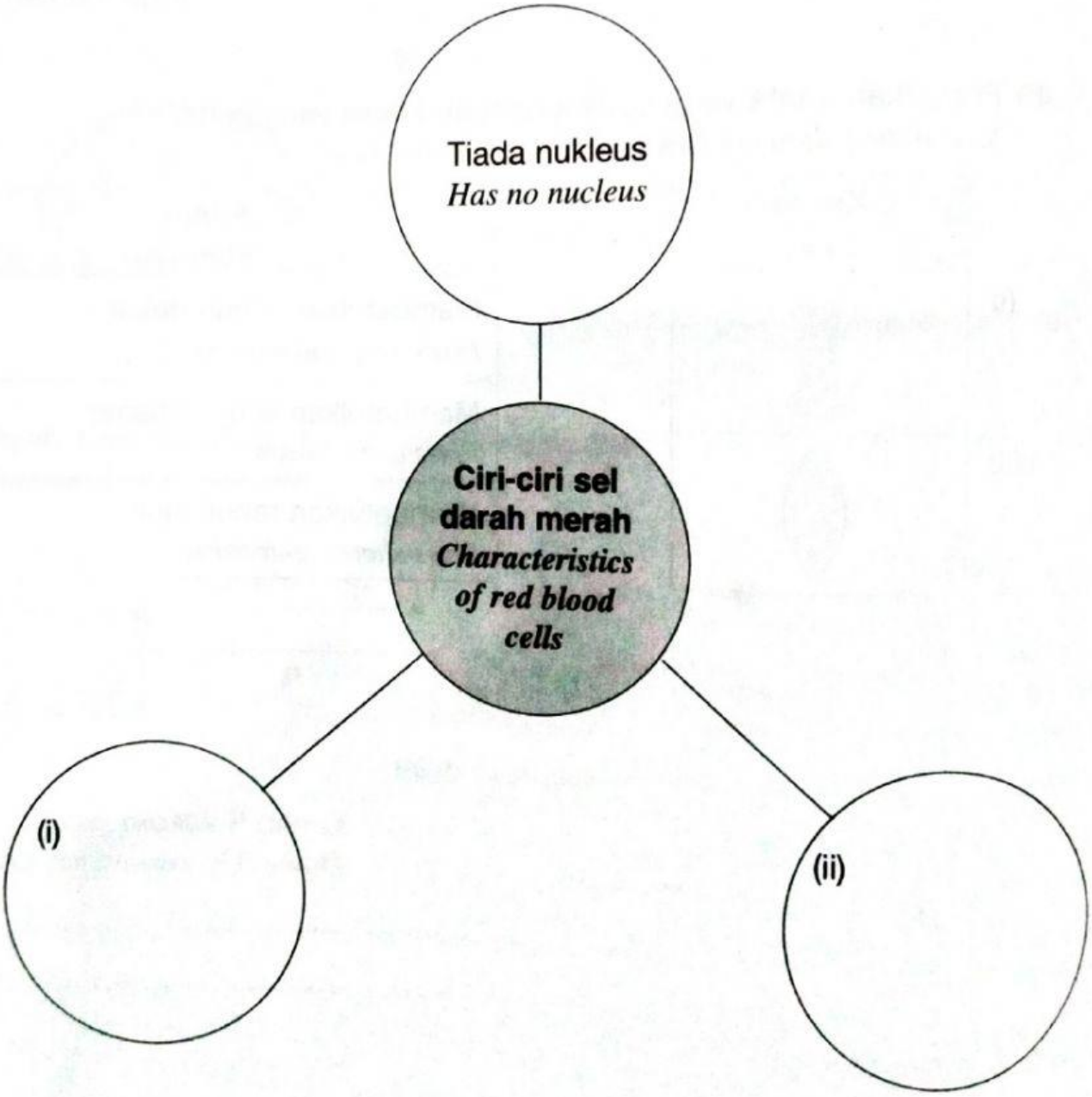
LIVEWORKSHEETS

3. (a) Lengkapkan persamaan perkataan yang berikut untuk mewakili proses respirasi.
Complete the following word equation to represent the respiration process.

Glukosa *Glucose*	+	(i)	→	(ii)	+	Air *Water*	+	Tenaga *Energy*

[2 markah / *marks*]

(b) Lengkapkan peta buih di bawah dengan ciri-ciri sel darah merah yang betul.
Complete the bubble map below with the correct characteristics of red blood cells.



[2 markah / *marks*]

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