

UJIAN SAINS/TINGKATAN 3

SCIENCE TEST/ FORM 3

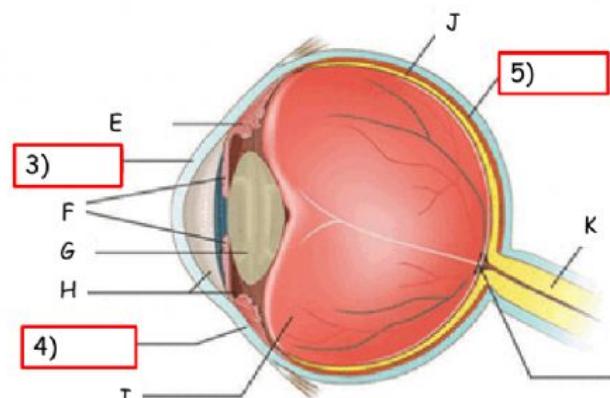
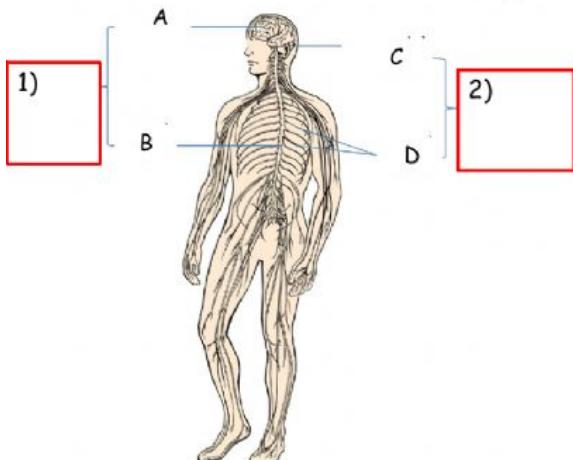
BAHAGIAN B/SECTION B

Soalan Struktur/Structure question

Soalan 1/ Question 1

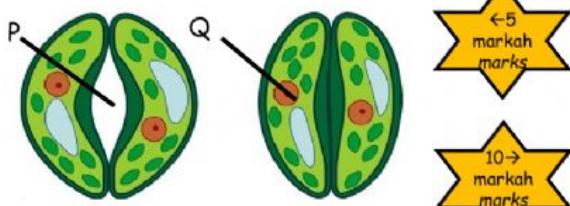
Kaji rajah dibawah dengan teliti dan labelkan **bahagian 1-5**

*Study the diagram below and label **part 1-5***



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Soalan 2/ Question 2



a) Namakan 3 bahagian tumbuhan yang menjalankan proses pertukaran gas dengan persekitaran

Name 3 parts of plants that carry out the process of gaseous exchange with the surroundings

_____ , _____ & _____

b) Namakan bahagian berlabel P dan Q

Name the parts labelled P and Q

P: _____ Q: _____

a) Rajah menunjukkan pertukaran gas yang berlaku pada alveolus. Labelkan X dan Y dan isi tempat kosong dalam ruang yang disediakan

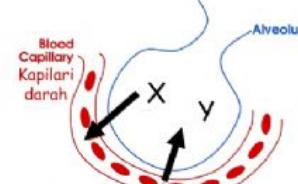
a) The following diagram shows the exchange of gases that happens at an alveolus. Label X and Y and fill in the blanks in the space provided

X: _____

Y: _____

Pilih jawapan yang betul bagi soalan b dan c
Choose the correct answer for question b and c

Karbon dioksida/Carbon dioxide
Oksigen/Oxygen
Respirasi sel/Cellular respiration
Resapan/Diffusion
Air/Water
Tenaga/Energy



b) Proses _____ berlaku dalam setiap benda hidup. Proses ini memerlukan _____ dan membebaskan _____ serta menghasilkan _____

b) _____ occurs in every living things. The process needs _____ and given out with _____

c) Glukosa/Glucose +

_____ → _____ + _____ + _____

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Soalan 4/ Question 4

a) Namakan jenis transformer berikut

Name the following transformer

i) Untuk meningkatkan voltan a.u

To increase the voltage for a.c

ii) Untuk menurunkan voltan a.u

To reduce the voltage for a.c

←5
markah
marks

Jawapan/Answer

Jawapan/Answer

Soalan 5/ Question 5

a) Pilih aktiviti yang menunjukkan kerja dilakukan

Choose the activities that show work is done



5→
markah
marks

b) Sebuah seterika elektrik menggunakan arus elektrik

maksimum 11.88A. Pilih nilai fius yang paling sesuai.

An electric iron uses a maximum electric current of

11.88A. Choose the most suitable fuse rating

10A

11A

12A

c) Kirakan penggunaan tenaga elektrik bagi sebuah seterika

elektrik berlabel 240V, 2.5kW selama 5 minit dalam

unit berikut: i) _____ kWj/kWh ii) _____ J

Calculate the electrical energy used by an electric iron
labelled 240V, 2.5kW for 5 minutes in the following units:

PERNYATAAN/STATEMENT

J/A

i) Tenaga boleh ditukar daripada satu bentuk ke bentuk lain
Energy can be changed from one form to another

ii) Apabila sebiji kelapa jatuh tenaga keupayaan gravitinya berkurangan
When a coconut falls, its gravitational potential energy decreases

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Soalan 6/ Question 6

Zarah Particle	Proton	Elektron Electron	Neutron
A	8	8	9
B	8	11	10
C	12	11	9

←5
markah
marks

5→
markah
marks

Soalan 7/ Question 7

a) Padankan ciri setiap lapisan Matahari

Match the characteristic of each Sun's layer

Lapisan bewarna jingga yang boleh dilihat dari Bumi
Oranged-coloured layer that can be seen from the Earth

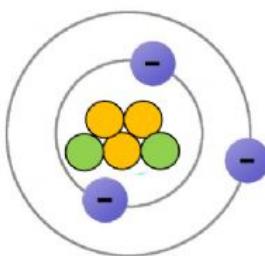
i) Korona
Corona

Kelihatan sebagai bulatan putih semasa gerhana penuh
Appears as the white circle during full eclipse

ii) Fotosfera
Photosphere

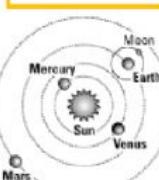
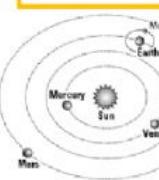
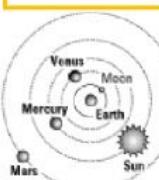
b) Kenalpasti ahli astronomi dengan model Sistem Suria berikut

Identify the astronomer with their model of Solar System



b) Nyatakan bilangan
State the number of

- i) proton/protons : _____
- ii) neutron/neutrons : _____
- iii) elektron/electrons: _____



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