

UJIAN SAINS/TINGKATAN 3

SCIENCE TEST/ FORM 3

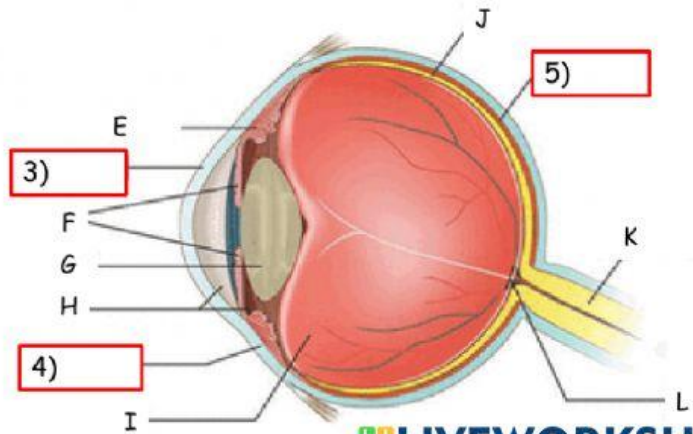
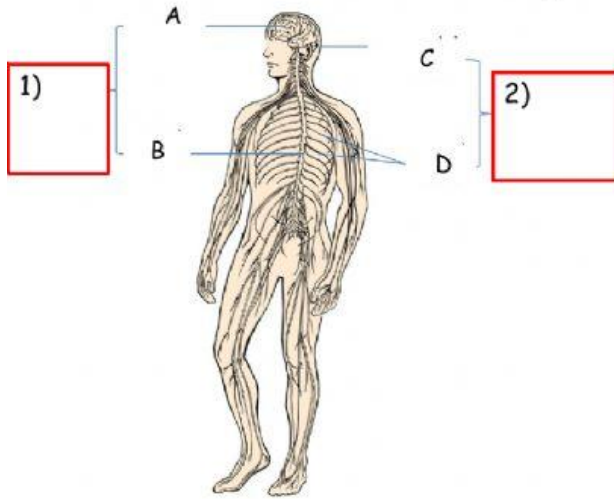
BAHAGIAN B/SECTION B

Soalan Struktur/Structure question

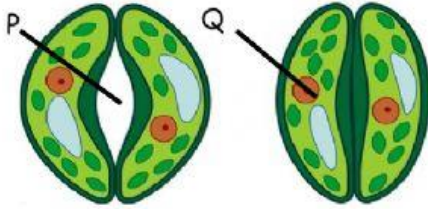
Soalan 1/ Question 1

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

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



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: _____

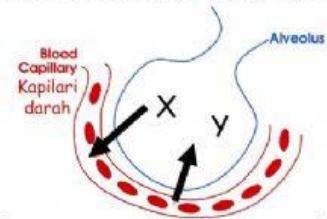
Soalan 3/Question 3

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 + _____ → _____ + _____ + _____

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



Jawapan/ Answer

Jawapan/ Answer



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
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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:

Soalan 5/ Question 5

a) Pilih aktiviti yang menunjukkan kerja dilakukan

Choose the activities that show work is done







b) Nyatakan sama ada pernyataan berikut BENAR/PALSI

State whether the following statements are TRUE/FALSE

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	

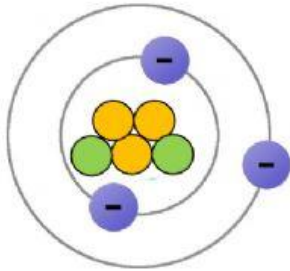
Soalan 6/ Question 6

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



a) Nyatakan / State the

- i) zarah neutral/ neutral particle : _____
 ii) zarah bercas positif/ positive particle: _____



b) Nyatakan bilangan
State the number of

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

Soalan 7/ Question 7

a) Padankan ciri setiap lapisan Matahari
Match the characteristic of each Sun's layer

i) Korona
Corona

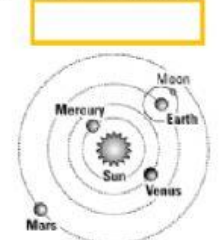
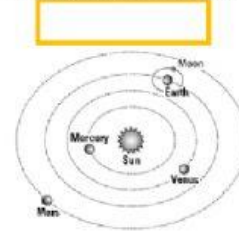
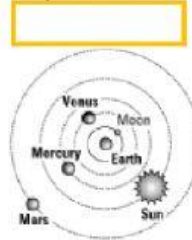
Lapisan berwarna jingga yang boleh dilihat dari Bumi
Oranged-coloured layer that can be seen from the Earth

ii) Fotosfera
Photosphere

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

b) Kenalpasti ahli astronomi dengan model Sistem Suria berikut

Identify the astronomer with their model of Solar System



LIVEWORKSHEETS