

Bahagian A

Jawab semua soalan.

- 1 Antara berikut, yang manakah komponen sistem Bumi?

Which of the following are the components of the Earth system?

I Hidrosfera

Hydrosphere

II Mesosfera

Mesosphere

III Biosfera

Biosphere

IV Termosfera

Thermosphere

A I dan and II

B II dan and III

C I dan and III

D I dan and IV

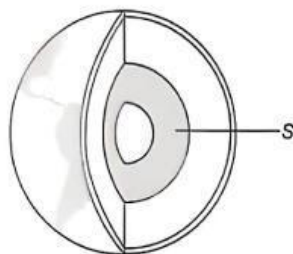
- 2 Antara berikut, yang manakah lapisan atmosfera yang betul dipadankan dengan kepentingannya?

Which of the following atmospheric layer is correctly matched to its importance?

	Lapisan Layer	Kepentingan Importance
A	Troposfera <i>Troposphere</i>	Memantulkan isyarat radio ke Bumi <i>Reflects radio signals to Earth</i>
B	Stratosfera <i>Stratosphere</i>	Melindungi Bumi daripada sinar ultraungu <i>Protects the Earth from ultraviolet rays</i>
C	Termosfera <i>Thermosphere</i>	Melindungi Bumi daripada meteoroid <i>Protects the Earth from meteoroids</i>
D	Mesosfera <i>Mesosphere</i>	Membentuk aurora <i>Forms auroras</i>

- 3 Rajah berikut menunjukkan lapisan utama Bumi.

The diagram shows the main layers of the Earth.



Apakah lapisan S?

What is layer S?

- | | |
|---------------------------|------------------------------------|
| A Kerak
<i>Crust</i> | C Teras luar
<i>Outer core</i> |
| B Mantel
<i>Mantle</i> | D Teras dalam
<i>Inner core</i> |

- 4 Jenis batuan yang manakah terbentuk melalui proses penyejukan dan pembekuan magma atau lava?

Which type of rock is formed through the processes of cooling and freezing of magma or lava?

- A Batuan igneus
Igneous rock

- B Batuan sedimen
Sedimentary rock
C Batuan metamorfik
Metamorphic rock
D Batuan basalt
Basalt rock

- 5 Antara berikut, yang manakah contoh proses endogen dan eksogen yang betul?

Which of the following are the correct examples of the endogenic and exogenic processes?

	Proses endogen <i>Endogenic process</i>	Proses eksogen <i>Exogenic process</i>
A	Pergerakan kerak Bumi <i>Earth's crust movement</i>	Pengenapan <i>Sedimentation</i>
B	Luluhawa <i>Weathering</i>	Aktiviti magma <i>Magma activity</i>
C	Hakisan <i>Erosion</i>	Proses olakan mantel <i>Mantle convection process</i>
D	Pengenapan <i>Sedimentation</i>	Pergerakan kerak Bumi <i>Earth's crust movement</i>

- 6 Antara berikut, yang manakah geobencana yang disebabkan oleh manusia?

Which of the following geohazards are caused by humans?

- I Tanah runtuh
Landslide
II Pemanasan global
Global warming
III Tsunami
Tsunami
IV Hujan asid
Acid rain
A I, II dan and III
B I, II dan and IV
C I, III dan and IV
D II, III dan and IV

7 Di manakah tanah jerlus biasanya berlaku?
Where does quicksand usually happen?

- A Tanah tinggi
Highlands
- B Paya
Wetlands
- C Gua
Caves
- D Lereng bukit
Hillsides

8 Apakah alat yang digunakan untuk mengesan gempa bumi?
What device is used to detect earthquakes?

- A Alat pengumpul hujan asid
Acid rain collector
- B Pemetaan LIDAR
Light Detection and Ranging (LIDAR) mapping
- C Tsunameter
Tsunameter
- D Seismometer
Seismometer

9 Pada era yang manakah manusia mula wujud di muka Bumi?
In which era do humans first appear on Earth?

- A Mesozoik
Mesozoic
- B Paleozoik
Paleozoic
- C Prakambria
Precambrian
- D Senozoik
Cenozoic

10 Organisma pertama yang wujud di Bumi ialah

The first organism that exists on Earth is

- A bakteria
bacteria
- B protozoa
protozoa
- C rumpai laut
seaweed
- D dinosaur
dinosaur

11 Antara pernyataan berikut, yang manakah salah tentang air permukaan?

Which of the following statements about surface water is incorrect?

- A Mudah tercemar
Easily contaminated
- B Sumber utama untuk kegunaan harian
The main source for daily use
- C Contoh air permukaan ialah akuifer
An example of surface water is an aquifer
- D Dijumpai di permukaan Bumi
Found on the surface of the Earth

12 Mineral ekonomi di Bumi terdiri daripada
Economic minerals in the Earth consists of

- I mineral logam
metallic minerals
- II mineral fosil
fossil minerals
- III mineral bukan logam
non-metallic minerals
- IV mineral nadir
rare earth minerals
- A I, II dan and III
- B I, II dan and IV
- C I, III dan and IV
- D II, III dan and IV