

9.1 AKTIVITI PERBINCANGAN

Sistem Bumi The Earth System

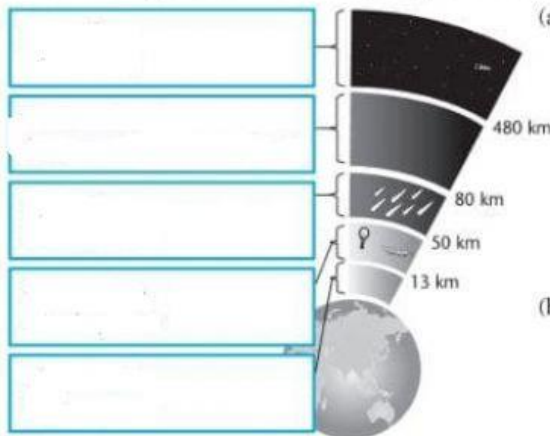
PBD
Masteri

Buku teks m/s 256 – 258

- 1 Kenal pasti **empat** komponen utama sistem Bumi. **TP1**
Identify **four** major components of the Earth's system.

Biosfera/Biosphere	Atmosfera/Atmosphere	Geosfera/Geosphere	Hidrosfera/Hydrosphere
(a)			Bahagian air di Bumi seperti awan, sungai dan salji. <i>The water part of the Earth, such as clouds, rivers and snow.</i>
(b)			Bahagian Bumi yang didiami oleh semua benda hidup. <i>The part of the Earth which is inhabited by all living things.</i>
(c)			Lapisan gas yang berada di atas permukaan Bumi. <i>The layer of gas located above the Earth's surface.</i>
(d)			Bahagian pepejal Bumi. <i>The solid part of the Earth.</i>

- 2 Kaji rajah di bawah tentang stratifikasi atmosfera. Kemudian, jawab soalan-soalan yang diberi.
Study the diagram below on the stratification of the atmosphere. Then, answer the given questions.



- (a) Label lapisan-lapisan atmosfera dalam rajah dengan perkataan di bawah. **TP1**
Label the layers of the atmosphere in the diagram with the words below.

Stratosfera/Stratosphere
Troposfera/Troposphere
Eksosfera/Exosphere
Mesosfera/Mesosphere
Termosfera (Ionosfera)/Thermosphere (Ionosphere)

- (b) Lapisan yang manakah mengandungi sebahagian besar gas atmosfera seperti oksigen dan mengalami perubahan cuaca? **TP1**
Which layer contains a big portion of atmospheric gases such as oxygen, and experiences weather changes?

- (c) Lapisan yang manakah mengalami yang berikut: **TP1**
Which layers experience the following:

- (i) Kesan rumah hijau/The greenhouse effect : _____
- (ii) Penipisan lapisan ozon/The depletion of ozone layer : _____
- (iii) Aurora berlaku di sini/Aurora happens here : _____
- (iv) Pesawat jet terbang di sini./Jet planes fly here : _____
- (v) Satelit komunikasi mengorbit Bumi
Communication satellites orbit the Earth : _____
- (vi) Ion-ion memantulkan gelombang radio
The ions reflect the radio waves : _____
- (vii) Pembakaran meteor (tahi bintang) berlaku di sini : _____
The burning of meteor (shooting star) occurs here

- (d) Apakah hubungan antara altitud dengan tekanan dan suhu udara? **TP2**
What is the relationship between the altitude and air pressure and temperature?
Semakin _____ altitud, semakin _____ tekanan dan suhu udara.

