

The atmosphere: atmospheric pressure

ST

PAGES 222–225

Complete this Concept Review so you can keep a record of what you have learned.

Definitions

- The atmosphere is _____

 - Air is _____

 - Atmospheric pressure is _____

- Unit of measurement: _____ Symbol: _____

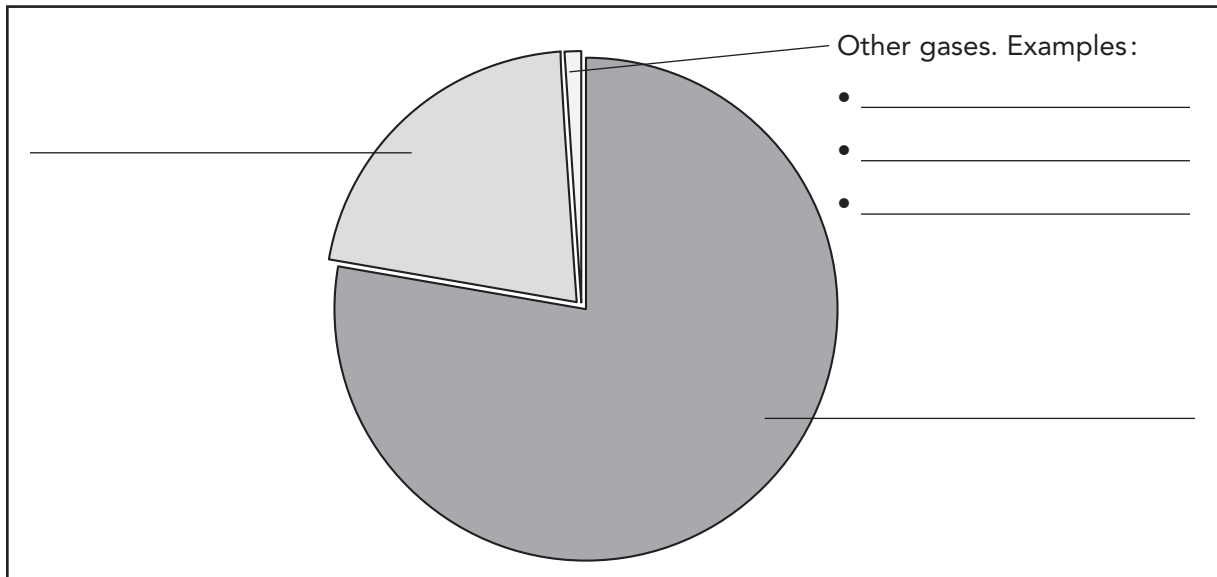
Role of the atmosphere in maintaining life on Earth

- _____

- _____

- _____

Composition of the atmosphere



Layers of the atmosphere

Layer	Altitude	Distinctive features
		<ul style="list-style-type: none"> • _____ • _____
Thermosphere	80–500 km	<ul style="list-style-type: none"> • The hottest layer of the atmosphere: up to 1800°C • Shooting stars and polar auroras form here.
		<ul style="list-style-type: none"> • _____ • _____
		<ul style="list-style-type: none"> • _____ • _____
		<ul style="list-style-type: none"> • _____ • _____

Factors affecting atmospheric pressure

Factor	Variation in the factor	Effect
Number of air particles		<ul style="list-style-type: none"> • _____
		<ul style="list-style-type: none"> • _____
Temperature of air particles		<ul style="list-style-type: none"> • _____ • _____
	Decrease	<ul style="list-style-type: none"> • Particles move closer together and the air tends to fall. • A high-pressure area (anticyclone) forms.