




Name _____ Class _____ Date _____

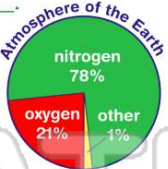
1 A mixture of **gases**, including oxygen, nitrogen, water, and others, that **surrounds** the **earth** is called the _____.

A biosphere
B atmosphere
C ecosphere
D stratosphere



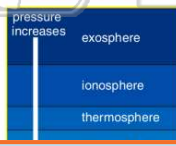
2 The most abundant gas in the earth's atmosphere comes from volcanoes and the decay of dead plants and animals. The **most abundant** gas in the earth's atmosphere is _____.

A oxygen
B carbon dioxide
C hydrogen
D nitrogen



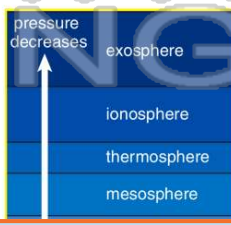
3 The force that gases in the atmosphere exert on a surface is called **air pressure** or **atmospheric pressure**. In the atmosphere, where is the **air pressure greatest**?

A near sea level
B on top of Mt. Everest
C in the stratosphere
D in the troposphere



4 Atmospheric pressure **decreases** with _____.

A longitude
B latitude
C altitude
D all of the above



5

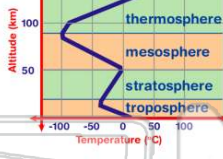


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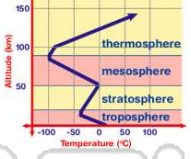
7

A thermosphere
B mesosphere
C stratosphere
D troposphere




called the _____.

A thermosphere
B mesosphere
C stratosphere
D troposphere




9 What is the benefit of the **ozone layer** in the stratosphere?

A It keeps the sun's heat near the surface.
B It absorbs ultraviolet radiation.
C It protects the life that lives on the earth's surface from ultraviolet radiation.
D All of the above are true.



10 The **ionosphere** radiates energy in the form of different colors which can be seen near the poles. Depending on the hemisphere, this light display is called the **aurora borealis** (northern lights) and **aurora australis** (southern lights). The ionosphere is the upper part of the _____.

A troposphere
B stratosphere
C mesosphere
D thermosphere





ANSWER KEY

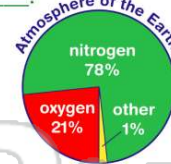
A mixture of **gases**, including oxygen, nitrogen, water, and others, that **surrounds** the **earth** is called the _____.



- A biosphere
- B atmosphere
- C ecosphere
- D stratosphere

(b)

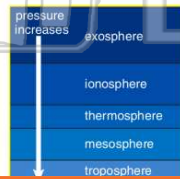
The most abundant gas in the earth's atmosphere comes from volcanoes and the decay of dead plants and animals. The **most abundant** gas in the earth's atmosphere is _____.



- A oxygen
- B carbon dioxide
- C hydrogen
- D nitrogen

(d)

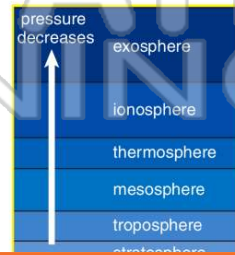
The force that gases in the atmosphere exert on a surface is called **air pressure** or **atmospheric pressure**. In the atmosphere, where is the **air pressure** greatest?



- A near sea level
- B on top of Mt. Everest
- C in the stratosphere
- D at 1,000 feet above

(a)

Atmospheric pressure **decreases** with _____.



- A longitude
- B latitude
- C altitude
- D all of the above

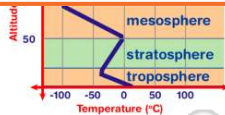
(c)



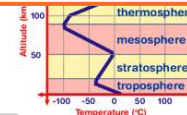
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- A thermosphere
- B mesosphere
- C stratosphere
- D troposphere



- A thermosphere
- B mesosphere
- C stratosphere
- D troposphere



What is the benefit of the **ozone layer** in the stratosphere?



- A It keeps the sun's heat near the surface.
- B It absorbs ultraviolet radiation.
- C It protects the life that lives on the earth's surface from ultraviolet radiation.
- D All of the above are true.

(d)

The **ionosphere** radiates energy in the form of different colors which can be seen near the poles. Depending on the hemisphere, this light display is called the **aurora borealis** (northern lights) and **aurora australis** (southern lights). The ionosphere is the upper part of the _____.

- A troposphere
- B stratosphere
- C mesosphere
- D thermosphere



(d)