




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

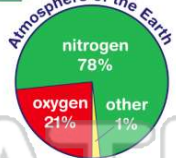
1 A mixture of **gases**, including oxygen, nitrogen, water, and others, that **surrounds** the **earth** is called the \_\_\_\_\_.

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



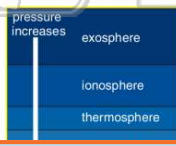
2 The most abundant gas in the earth's atmosphere comes from volcanoes and the decay of dead plants and animals. The **most abundant** gas in the earth's atmosphere is \_\_\_\_\_.

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



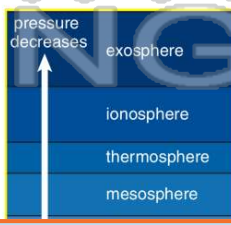
3 The force that gases in the atmosphere exert on a surface is called **air pressure** or **atmospheric pressure**. In the atmosphere, where is the **air pressure greatest**?

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



4 Atmospheric pressure **decreases** with \_\_\_\_\_.

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



5

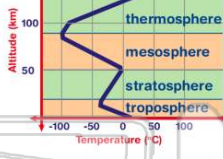


**PREVIEW**

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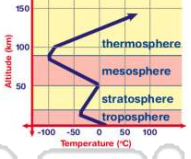
8

**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

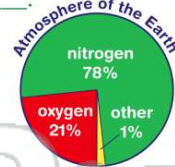
A mixture of **gases**, including oxygen, nitrogen, water, and others, that **surrounds** the **earth** is called the \_\_\_\_\_.



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

(b)

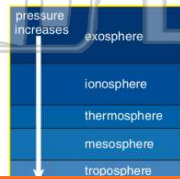
The most abundant gas in the earth's atmosphere comes from volcanoes and the decay of dead plants and animals. The **most abundant** gas in the earth's atmosphere is \_\_\_\_\_.



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

(d)

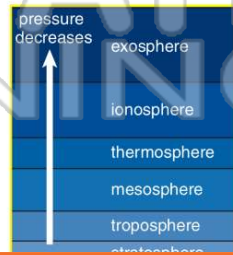
The force that gases in the atmosphere exert on a surface is called **air pressure** or **atmospheric pressure**. In the atmosphere, where is the **air pressure greatest**?



- 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

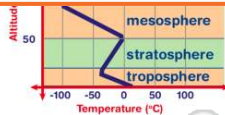
(c)



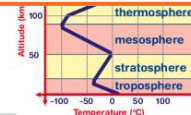
## PREVIEW

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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)