

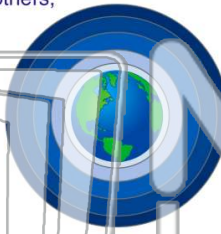


Name _____ Class _____ Date _____

1

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

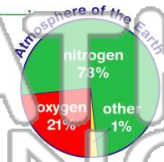
- A biosphere
- B atmosphere
- C ecosphere
- D stratosphere



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?**

pressure _____

4

Atmospheric pressure **decreases** with _____

pressure decreases _____
↑
exosphere

5



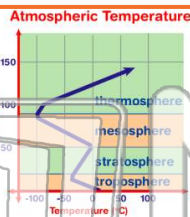
PREVIEW

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7

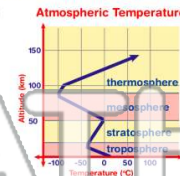
The name of the **coldest layer** of the atmosphere is the _____

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



_____ rises with altitude. It contains the molecule called **ozone** which is a molecule of three oxygen atoms (O₃). **The atmospheric layer described here is 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






Name _____ Class _____ Date _____

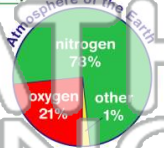
1 A mixture of **gases**, including oxygen, nitrogen, water, and others, that **surrounds** the **earth** is called the _____.

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 troposphere
 B stratosphere
 C mesosphere
 D thermosphere

4 Atmospheric pressure **decreases** with _____.

A altitude
 B distance
 C temperature
 D time



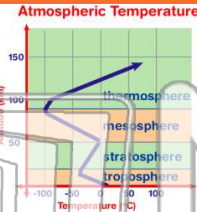
5 **PREVIEW**

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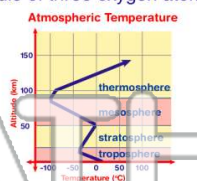
7 The name of the **coldest layer of the atmosphere** is the _____.

A thermosphere
 B mesosphere
 C stratosphere
 D troposphere




8 **Ozone** **_____** rises with altitude. It contains the molecule called **ozone** which is a molecule of three oxygen atoms (O₃). **The atmospheric layer described here is 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.
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