Atmosphere Layers Quiz

1) Choose the Correct Option

1. Which atmospheric layer is closest to the Earth's surface and is where weather occurs?

A) Stratosphere

B) Troposphere

C) Mesosphere

D) Thermosphere

2. Why do airplanes fly in the stratosphere?

A) It is free of all weather disturbances.

B) It has the thickest air.

C) It is the coldest layer.

D) It is closest to space.

3. What can you find in the stratosphere that absorbs harmful UV rays from the sun?

A) The ionosphere

B) Meteors

C) The ozone layer

D) Electrical charges

4. Where do most meteors burn up upon entering Earth's atmosphere?

A) Exosphere

B) Troposphere

C) Thermosphere

D) Mesosphere

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5. Which layer is the furthest from Earth's surface, extending up to 6,200 miles?

A) Stratosphere

B) Exosphere

C) Thermosphere

D) Ionosphere

2) Complete with One Word

a. The height of an object or point in relation to the ground level is called

_____.

b. The ozone layer helps absorb harmful _____ rays from the sun.

c. The lower part of the thermosphere contains the _____, where many atoms are ionized.

d. Temperatures get extremely _____ in the thermosphere layer.

e. The outermost layer of Earth's atmosphere is called the _____.

3) True or False?

The temperature of the troposphere increases with an increase in altitude.

The stratosphere is the second lowest layer of Earth's atmosphere.

The air is very thick in the thermosphere.

You will find electrical charges and ionized atoms in the ionosphere.

The troposphere contains more than 75 percent of the atmosphere's mass.

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