

Elements of meteorology

Question 1

Clouds can form in the atmosphere because cold air cannot hold as much moisture (water vapor) as warm air can hold.
TRUE FALSE
Question 2
The air flowing around the low pressure center of a large storm rotates
 a) cyclonically in both hemispheres. b) anti-cyclonically in both hemispheres. c) cyclonically in the northern hemispheres and anti-cyclonically in the southern hemisphere. d) anti-cyclonically in the northern hemisphere and cyclonically in the southern hemisphere.
Question 3
The greenhouse effect causes the surface of the earth to be warmer than it would have been in the absence of an atmosphere, because
 a) the atmosphere behaves like a greenhouse. b) the atmosphere works like a blanket. c) the greenhouse gases trap heat. d) the surface is warmed by radiation from both the air and the sun.
Question 4
The basic cause of the greenhouse effect is
 a) the burning of fossil fuels. b) forest clearing in the Amazon. c) both of the above.

Question 5

A mirage is an optical illusion.
□ TRUE□ FALSE
Question 10
On the (primary) rainbow, red is seen
a) on the inside of the bow.
b) on the outside of the bow.
c) in the middle (between the other colors) of the bow.
d) it varies from storm to storm.

Question 9