

Question 1

Freezing rain and/or sleet occur most often with a cold front.

True or False?

Answer: <https://biology-forums.com/index.php?topic=620174>

Question 2

cP and cA air masses are never experienced in the southern U.S.

True or False?

Answer: <https://biology-forums.com/index.php?topic=620075>

Question 3

If the mixing ratio remains unchanged and the temperature drops, the relative humidity will increase.

True or False?

Answer: <https://biology-forums.com/index.php?topic=619593>

Question 4

Which technique is used that attempts to match current conditions with similar well established patterns from the past?

- A) persistence forecasting
- B) trend forecasting
- C) isotachs method
- D) analog method

Answer: <https://biology-forums.com/index.php?topic=620482>

Question 5

The ice cap climate (EF) is largely confined to the Northern Hemisphere.

True or False?

Answer: <https://biology-forums.com/index.php?topic=620843>

Question 6

Of the primary air pollutants monitored by the EPA, which one is found above recommended levels in more U.S. counties than any other?

- A) ozone
- B) particulate matter
- C) carbon monoxide
- D) sulfur dioxide

Answer: <https://biology-forums.com/index.php?topic=620579>

Question 7

The Fahrenheit scale is considered to be the LEAST useful temperature scale for scientific purposes because:

- A) it is too difficult to convert Fahrenheit data into the Celsius scale.
- B) the original fixed points for the scale were arbitrarily (and poorly) chosen, giving 0°F no real meaning.
- C) the modern Fahrenheit scale does not properly identify the steam point of water.
- D) the Celsius scale was created first, and so has a longer tradition with the scientific community.

Answer: <https://biology-forums.com/index.php?topic=619453>

Question 8

Which of the following gases may be contributing to a greenhouse warming?

- A) hydrogen
- B) methane
- C) nitrogen
- D) oxygen
- E) carbon monoxide

Answer: <https://biology-forums.com/index.php?topic=620695>

Question 9

Cold water rising from deep in the ocean to replace warmer water at the surface is called _____.

Answer: <https://biology-forums.com/index.php?topic=619985>

Question 10

A standard rain gauge magnifies rainfall ten times.

True or False?

Answer: <https://biology-forums.com/index.php?topic=619727>

Question 11

What feature of the upper-level wind pattern must exist for the origin and development of a surface low?

Answer: <https://biology-forums.com/index.php?topic=620208>

Question 12

Why do westerly winds prevail at upper altitudes?

- A) rotation of the earth
- B) lower air density
- C) absence of friction
- D) rotation of the earth and equator to pole temperature contrast
- E) equator to pole temperature contrast

Answer: <https://biology-forums.com/index.php?topic=619885>

Question 13

Ozone:

- A) is considered beneficial at the surface of the Earth.
- B) protects life on Earth by filtering harmful UV radiation from sunlight.
- C) is rapidly depleting for reasons scientists do not yet fully understand.
- D) is concentrated in the mesosphere.

Answer: <https://biology-forums.com/index.php?topic=619060>

Question 14

While ascending through the atmosphere, you record temperature with a standard thermometer and find that the temperature has risen from -48°C (-54°F) to -18°C (-0.4°F) over the last 10 km (6.2 miles). Which of the following regions of the atmosphere are you most likely in?

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

Answer: <https://biology-forums.com/index.php?topic=619083>

Question 15

In meteorological terminology, the acronym TRMM refers to:

- A) the Tropical Rainfall Measuring Mission satellite.
- B) Tropospheric Radiation and Meteorological Measurement.
- C) the international scientific panel on Technology, Research, and Methods in Meteorology.
- D) the Typical Receipt of Mesospheric Meteors.

Answer: <https://biology-forums.com/index.php?topic=619011>

Question 16

The largest number of hurricanes form right along the equator.

True or False?

Answer: <https://biology-forums.com/index.php?topic=620411>

Question 17

Inversions aloft are associated with _____ air that characterizes centers of _____ air pressure.

Answer: <https://biology-forums.com/index.php?topic=620639>

Question 18

The accuracy of day-to-day weather forecasts for periods beyond _____ day(s) is relatively unreliable.

- A) 1
- B) 3
- C) 5
- D) 7

Answer: <https://biology-forums.com/index.php?topic=620498>

Question 19

The process of releasing silver iodide into the atmosphere to stimulate rainfall is called:

- A) artificial droplet supplementation.
- B) precipitation harvesting.
- C) rain enhancement.
- D) cloud seeding.

Answer: <https://biology-forums.com/index.php?topic=619689>

Question 20

The basic elements of weather and climate include all of the following, except:

- A) the humidity of the air.
- B) the temperature of the air.
- C) the pressure of the air.
- D) the chemical composition of the air.
- E) the type and amount of cloudiness.

Answer: <https://biology-forums.com/index.php?topic=619007>