

ECOLOGY TRIVIA QUIZ

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- 1> What is ecology?
- 2> What is the degree of tilt the earth's axis of spin?
- 3> Which direction do the Westerlies (wind) come from?
- 4> Which region has the driest air?
- 5> One out of every four animals is a...?
- 6> What does it mean when an animal is "fit" (scientific terms)?
- 7> Which of these terms describes the spatial location of a population - Metapopulation, Distribution or Abundance?
- 8> Which of these has a higher albedo - A Forest, Asphalt or New (Fresh) Snow?
- 9> Which of these is an example of an abiotic component - Oxygen, Trees or Birds?
- 10> What is the difference between climate and weather?

Answers:

1> The study of the family household - Ecology literally translates to the study of the family household. It is also defined as the study of the relationship between organisms and their environment.

2> 23.5 degrees - The correct answer is 23.5 degrees. The tilt in our earth's axis is the main cause of our seasonal temperature and day length changes.

3> The West - Wind is always named for the direction it comes from, not the direction it is going to.

4> The poles - The colder air is, the less water it can hold. So really cold air (like the poles) can hold almost no water, making it very dry.

5> Beetle - There are over 330,000 species of beetles on this planet. They have been found on every continent on Earth.

6> It can produce many healthy offspring - Fitness in science is all about being able to pass on genes to future generations. Producing many healthy offspring is the only way to pass on genes.

7> Distribution - Abundance is the size of the population and metapopulation is collective of local subpopulations.

8> New (Fresh) Snow - Albedo is the reflectiveness of a surface. New snow reflects and does not absorb much heat, that is why new snow lasts longer than dirty snow. Asphalt has a low albedo. It absorbs most of the heat! That is why pavement is so hot in the summer!

9> Oxygen - Abiotic means non living. Biotic means living. Therefore, trees and birds would both qualify as biotic.

10> Climate is over time, weather is current - Weather can be a few day forecast, but it does not represent the temperature/ conditions over time.