Survey on Evolution

This survey contains statements about evolution. **Do you think a professional biologist would answer true or false?** You do not have to agree with the statement for it to be "true" as you think biologists see it. Your answers will be confidential and will not affect your grade. The purpose of this survey is to determine the class' level of understanding on this topic.

For each of the following statements, choose one of the following:

A = TRUE
B = FALSE

1)____ Evolution is a scientifically valid theory.

2)____ Evolution is primarily concerned with the origin of humans.

3)____ Organisms existing today are the result of evolutionary processes that have occurred over millions of years.

4)____ There is a considerable body of data that supports evolutionary theory.

5)____ According to evolutionary theory, people came from monkeys a long time ago.

6)____ Evolution was first proposed and explained by Charles Darwin.

7)____ Modern humans are the product of evolutionary processes that have occurred over millions of years.

8)____ Evolution is also known as "natural selection."

9)____ Evolution is not something that happened only in the past; it is happening now.

10)___ The theory of evolution is based on speculation and not valid scientific observation and testing.

11)___ Evolution is a totally random process, a series of "accidents."

12)___ Evolution is something that happens to individual organisms.

13)___ Evolution is just a theory.

14)___ The many transitional fossils found in the fossil record provide evidence for evolution.

15)___ Biological, medical and agricultural research is increasingly based on evolutionary theory.

16)____ Evolution has been tested and challenged many times, but has always been supported by the results.

17)___ Evolution increases structure and order, but that goes against Newton's Second Law of Thermodynamics.

18)___ The formation of complex structures, like the human eye, can be readily explained by mutation and natural selection.