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MISCONCEPTION QUIZZES

Check the statement that is true

	IBUN	
1.		Organisms are perfectly structured for their environment. Many traits are not perfectly structured for their use, but function well enough to give an organism a competitive advantage.
2.		Evolution is limitless. Evolution has to work within the constraints of what is available.
3.		More complex organisms have a selective advantage. Natural selection does not always favor complexity in organisms.
4.		Natural selection favors change. Natural selection does not always favor change.
5.		Modern species have been evolving for a longer period of time and are therefore better equipped than their ancestors.
		Modern species are not better than their ancestors, they are just different.
6.		Evolution is a theory, which is a well-substantiated explanation for observable facts.
		Evolution is a theory, which means it is a guess.
7.		Evolution explains how life began. Evolution does not address how life began.
8.		In order to accept evolution as a valid explanation, you cannot believe in God. The theory of evolution and religion are compatible.

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DATE			



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9.	More complex organisms such as humans have larger genomes than simpler organisms.
	Simpler organisms can have larger genomes than more complex organisms.
10.	Humans are the ultimate achievement of evolution. Evolution has no goal, it is a continuous process.
11.	Evolution happened in the past, but is no longer happening today. Scientists observe evolution in progress today.
12.	Genetic mutations do not arise in response to change in the environment. Genetic mutations arise in response to change in the environment.
13. 🗌	Evolution re-uses old genes in new ways. The evolution of new structures requires the evolution of new genes.
14.	Minor changes to influential genes can produce rapid evolutionary changes. Evolution is always slow and gradual.
15. 🗌	Evolution always moves from simple to complex. Evolution sometimes favors the loss of complexity.
16. 🗌	Recessive alleles are weak and they will eventually disappear. Natural selection maintains favorable alleles regardless of whether they are dominant or recessive.
17. 🗌	Genetically modified food is a recent phenomenon. Farmers have been manipulating heritable traits, which are encoded by genes, for millennia

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