

Chapter 17 Keys to Success

What is speciation?

What is the morphological species concept and what is a major drawback?

How does the biological species concept work?

What is the phylogenetic species concept? Since DNA is the basis of this method, how accurate is it?

What are pre-zygotic barriers? Describe five different pre-zygotic barriers.

What are post-zygotic barriers? Describe two different post-zygotic barriers.

Describe the two modes of speciation. Which one is more common?

What is the process of adaptive radiation?

What are analogous traits and what is an example? What type of evolution could produce these?

There are two major models for the rate and speed of macroevolution. What do these two models mean?

What is the direction and end-goal of evolution?