

Traffic Lights: Natural Selection

AP Biology

Traffic lights is an activity to identify and learn prefixes (ex: cata-), root words, and suffixes (ex: -ate) that are content-specific for current unit of study. Below is a list of the words followed by two blank columns. The first column, labeled pre-assessment, is to be highlighted/colored in to indicate the level of understanding you have for the word. Green means you know it in the context of biology, yellow means you are familiar with the word but have some uncertainty in the context of biology, and red means that you don't know the word in any context. For any term colored red or yellow you will need to define the word, describe them in your own words, explain how each is used in the current unit and then create a visual representation of each. These must be done in your **BILL** using foldables, notecards, or any other method that you come up with. These are **NOT** to be done electronically. At the end of the unit you will reevaluate your knowledge of the terms using traffic lights and take an assessment.

Term	Pre-Assessment	Post-Assessment	Term	Pre-Assessment	Post-Assessment
Evolution			Speciation		
Gene pool			Fitness		
Hardy-Weinberg Equilibrium			Mechanical isolation		
Adaptations			Extinction		
Gradualism			Polyploidy		
Gene flow			Hybrid sterility		
Homologous structures			Reproductive isolation		
Post-zygotic barrier			Vestigial structures		
Geographic isolation			Adaptive radiation		
Pre-zygotic barrier			Allopatric speciation		
Sympatric speciation			Natural selection		
Analogous structures			Punctuated equilibrium		
Behavioral isolation			Phylogeny		
Temporal isolation			Bottleneck effect		
Morphology			Genetic drift		
Founder effect			Allele frequency		
Cladogram			Phylogenetic tree		
Clades			Biogeography		

