

Evolution

Brainpop—Natural Selection

Name:

Period:

Watch the Brainpop, then fill in the blanks using the words provided in the word bank below each paragraph. You can also use Chapter 10 of your book to help you.



Darwin's Voyage

Charles Darwin went to the _____ Islands in the 1800's. While observing finches (a type of _____), he noted that they were similar, but had different _____. Darwin decided that all finches came from a _____ ancestor. Over time, they had become more _____ to suit their _____. This explained why their beaks looked so _____, as each finch had different types of food to eat on its _____.

beaks bird common different environment Galapagos island specialized

Forces of Change

What is in the _____ of an organism can influence if the organism will survive or not. Things such as the availability of food, water, space, and the possibility of being eaten are all called environmental _____. Some other contributing forces are called _____, which means that no two living things are exactly the same, unless you count identical twins. Variations are usually the result of _____, which are caused by _____ that are made when _____ copies itself. Mutations can also be created by outside influences like radiation or chemicals. Some mutations are not good (like a color that makes the organism stand out to _____), while other mutations are favorable (like camouflage that helps an organism _____).

DNA environment hide mistakes mutations predators pressures variations

Survival of the Fittest

Any kind of _____ that helps an organism will give it a better chance of living long enough to _____. Eventually, the majority of the organisms in _____ will carry those traits. This process is commonly called _____ of the fittest. Such changes in a population are usually very _____, taking millions of years. Mutations, combined with environmental pressures, have resulted in a vast _____ of life on Earth. Despite such a variety, all life on Earth is _____. Pick any two organisms, go back in time far enough, and you will find a _____ ancestor. Darwin thought about these relationships, and decided to compare the complexity of life on Earth to a massive _____.

common connected mutation populations reproduce slow survival tree variety