

Name _____ Date _____

Natural Selection & Adaptation Quiz

Organisms thrive in the environments for which they are _____ suited.

A _____ is the number of a specific species of organisms in a specific place.

The assortment of genes in a population is its genetic _____.

_____ variation in a population can increase in different ways.

A _____ is a change in a gene or a chromosome.

Since a mutation changes an organism's DNA, that mutation can be passed on to the next _____.

A beneficial mutation helps an organism thrive and _____ (leading to the passing of desirable traits).

A harmful mutation keeps an organism from thriving and reproducing (causes undesirable _____ to not be passed on).

Most organisms produce more offspring than are able to _____.

This results in _____ for resources, such as food and living space.

_____ are inherited traits that increase an organisms chances of survival.

Sometimes changes in the _____ may cause adaptations (changes) in organisms over time.

_____ selection can result in small changes over time.

It can also result in very large changes and in the formation of new _____ from existing species.

_____ is the death of all members of a species.

Species may become extinct when they cannot _____ changing conditions or can't compete with new or different species.

WORD BANK:

survive

competition

species

best

natural

population

mutation

variation

reproduce

genetic

generation

extinction

traits

survive

adaptations

environment