**Homework**

**Use the words in the box to complete the paragraph below.**

Evolution is a theory that explains the \_\_\_\_\_\_\_of life on Earth and how there came to be such a \_\_\_\_\_\_\_ range of organisms on Earth. It explains how such\_\_\_\_\_\_\_\_ lifeforms were able to develop from much \_\_\_\_\_\_\_\_\_\_\_ lifeforms. Every living creature is made up of \_\_\_\_\_\_\_\_\_\_\_ . Each cell contains\_\_\_\_\_\_\_\_\_\_ . DNA is made up of different\_\_\_\_\_\_\_\_\_ . Genes determine the\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_ that organisms have, such as eye and hair colour. A \_\_\_\_\_\_\_\_\_\_\_\_ is a group of organisms that can \_\_\_\_\_\_\_\_\_\_ with each other to have offspring. Normally a species will produce \_\_\_\_\_\_\_\_\_ offspring (more than are needed for the survival of the species or more than their environment can support.) With animals, each individual is \_\_\_\_\_\_\_\_\_\_\_\_ . This is because each animal is made up of a random \_\_\_\_\_\_\_\_\_\_\_\_\_ of their mother’s DNA and their father’s DNA (except for \_\_\_\_\_\_\_\_\_twins). The process of receiving DNA from parents is known as \_\_\_\_\_\_\_\_\_\_\_\_ . Genetic \_\_\_\_\_\_\_\_\_\_\_\_can also change DNA. A mutation is a random \_\_\_\_\_\_\_ in a part of DNA. Mutations can have \_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_effects. Having excess offspring, each of which has a random combination of their parents’ DNA, means that there is more \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (differences) within the species.

neutral genes complex mutations identical unique DNA combination positive heredity diverse characteristics

variation negative excess traits reproduce

simpler cells species development change