Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ October 25, 2019 Due Monday October 28, 2019 P ( )

Introduction to Genetics – QUEST - for Knowledge Review

Where can DNA be found in both Eukaryotes and Prokaryotes?

Explain the differences between Prokaryotic Cells and Eukaryotic Cells?

Draw and label the parts of Prokaryotes and contrast those to the parts of Eukaryotes?

Place in order, from smallest to largest, the organization of life. Start with BASE PAIRS and end with ORGANISMS.

How many Chromosomes do Humans carry and how many pairs? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the four base pairs in DNA? \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

Which nucleotide pairs bond with each other in DNA?

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Draw a diagram of DNA and label; DNA strand, Double Helix, Gene, Base Pairs, Sugar-Phosphate Backbone and Nucleotide?

What is the term used when DNA make exact copies of itself? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the term used to describe characteristics and qualities that make us who we are? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write a paragraph comparing and contrasting Asexual Reproduction to Sexual Reproduction. In your paragraph, include four main types of Asexual Reproduction. Also, include the similarities of both.

Remember a topic sentence and a concluding sentence are needed in your paragraph.