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## Dna replication worksheet pdf

As a freshman, DNA replication is just the basic concepts where students are told that the process is semi-conservative and leads to the production of two new identical strands. AP Biology students are required to learn the steps of DNA replication and the roles that enzymes, such as DNA polymerase, helicase, and ligase, play in the process. You have to cope with the concept that the two sides are not copied in the same way due to the fact that DNA polymerase can only travel in the 3' to 5' direction. This means that on one side the lead thread is continuously copied, while the lagging thread is copied intermittently and creates okazaki fragments that need to be connected later. This worksheet was designed for students to help them learn or study the steps involved in DNA replication and the enzymes needed for the process. This document can also be used for evaluations, although the focus is primarily on replication-related steps and vocabulary. The image was created in Wikipedia image replication where I added boxes for tagging. I made two versions, one with a word bank and a word without wordbank. Grade Level: 10-12 Time Required: 10-15 minutes Download PDF Google Doc Key (TpT) HS-LS1-1 Prepare an explanation based on evidence, that the structure of DNA is determined by the structure of proteins, which are carried out in the basic functions of life systems through special cells HS-LS3-2 Prepare a claim based on evidence that heritable genetic variations may result from: (1) new genetic combinations through meiosis, (2) viable defects occurring during replication and/or (3) mutations caused by environmental factors. As a freshman, DNA replication is just the basic concepts where students are told that the process is semi-conservative and leads to the production of two new identical strands. AP Biology students are required to learn the steps of DNA replication and the roles that enzymes, such as DNA polymerase, helicase, and ligase, play in the process. You have to cope with the concept that the two sides are not copied in the same way due to the fact that DNA polymerase can only travel in the 3' to 5' direction. This means that on one side the lead thread is continuously copied, while the lagging thread is copied intermittently and creates okazaki fragments that need to be connected later. This worksheet was designed for students to help them learn or study the steps involved in DNA replication and the enzymes needed for the process. This document can also be used for evaluations, although the focus is primarily on replication-related steps and vocabulary. The image was created in Wikipedia image replication where I added boxes for tagging. I made two versions, one with a word bank and a word without wordbank. Grade level: 10-12 Time Required: 10-15 minutes Download PDF Google Doc Key HS-LS1-1 Prepare an explanation based on evidence, how the structure of DNA determines the structure of proteins that perform the essential functions of life through the systems of special cells HS-LS3-2, claim and protect the evidence that heritable genetic variations may result from: (1) new genetic combinations through meiosis, (2) viable defects during replication, and/or mutations caused by environmental factors. Factors.