

## Biology – Virus Vocabulary Quiz--Answers

constructing a mRNA molecule using a DNA molecule as a template; results in the transfer of genetic information to the mRNA\*transcription

Weakened or destroyed microorganisms used to help provide immunity to a certain disease or microorganism and to stimulate the production of antibodies\*Vaccine

a variation of a particular strain of virus or infective agent; slightly different in form or function\*Variant

infectious organism that replicates itself in the cells of a host; viruses have a half alive/half dead existence and need a host to grow and reproduce\*Virus

used as the carrier of genetic codes and information directly from DNA to cell structures\*Messenger RNA

a rearrangement of genes or change in base pairs so they produce different effects within their environment\*Mutation

an organic compound made up of a phosphoric acid, a carbohydrate and a base of purine or pyrimidine; formed in helical chains\*Nucleic acid

a cellular organelle that is the essential control mechanism for cell function; contains the DNA and genetic material\*Nucleus

an organism living in or on another organism that depends on its host for existence or support and gives nothing in return\*Parasite

a sequence of DNA or RNA that is located on a chromosome and that is the functional unit of inheritance controlling the transmission of traits and function of other genetic material\*Genes

material responsible for the transmission of qualities from ancestor to descendant through genes\*Hereditary material

a living organism, which provides subsistence or lodgment to a parasite\*Host

proteins created in blood and tissue by the immune system to help neutralize and destroy possible threats\*Antibody

a toxin or enzyme which stimulates reactions from a body's immune system\*Antigen