

ACROSS

1	Genetic is the process by which a strand of DNA is broken and then joined to the end of a different DNA molecule.
5	is the process by which bacterial DNA is moved from one bacterium to another by a virus.
8	recombination involves the alignment of similar sequences, a crossover between the aligned DNA strands, and breaking and
	repair of the DNA to produce an exchange of material between the strands.
10	Genetic is the addition of one or more nucleotide base pairs into a genetic sequence.
	DNA refers to a collection of processes by which a cell identifies and corrects damage to the DNA molecules that encode its
	genome.
14	A is a chromosome rearrangement in which a segment of a chromosome is reversed end to end.
	mutations or nonsynonymous mutations are types of point mutations where a single nucleotide is changed to cause substitution
	of a different amino acid.
16	A mutation is a point mutation in a sequence of DNA that results in a premature stop codon, or a nonsense codon in the
	transcribed mRNA, and possibly a truncated, and often nonfunctional protein product.
18	A sequence is a short DNA sequence that acts as a simple transposable element.
	Gene may occur during meiotic division through a process by which DNA sequence information is transferred from one DNA
	helix to another DNA helix, whose sequence is altered.
20	A is a physical or chemical agent that changes the genetic information of an organism.
DC	OWN
2	s are sequences of DNA that can move around to different positions within the genome of a single cell, a process called
	transposition.
3	s are changes to the base pair sequence of the genetic material of an organism.
4	Bacterial is the transfer of genetic material between bacteria through direct cell-to-cell contact.
6	A is a mutation in which a part of a chromosome or a sequence of DNA is missing.
7	A mutation, or single base substitution, is a type of mutation that causes the replacement of a single base nucleotide with
	another nucleotide.
9	A mutation is any detectable, heritable variation in the lineage of germ cells.
11	over is the process by which two chromosomes, paired up during prophase 1 of meiosis, exchange some portion of their DNA.
12	A mutation is a genetic mutation caused by inserts or deletes from a DNA sequence of a number of nucleotides not evenly
	divisible by three.
17	mutations are DNA mutations that do not result in a change to the amino acid sequence of a protein.