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DNA and RNA

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|  |  |  |  |  |  |  |  |  |  | 1G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 2M |  R |  N |  A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  E |  |  |  |  |  |  |  | 3P |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 4T |  R |  A |  N |  S |  L |  A |  T |  I |  O |  N |  | 5C |  O |  D |  O |  N |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  |  |  |  L |  |  |  |  |  | 6T |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  C |  |  |  |  |  | 7D |  |  Y |  |  |  |  |  |  R |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 8H |  |  C |  |  |  | 9M |  |  N |  |  P |  |  |  |  |  |  A |  |  |  |  |  |
|  |  |  | 10A |  N |  T |  I |  C |  O |  D |  O |  N |  | 11M |  U |  T |  A |  G |  E |  N |  |  |  |  |  N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  M |  |  D |  | 12R |  |  T |  |  P |  |  P |  | 13T |  |  |  |  S |  |  |  |  |  |
|  |  |  |  |  | 14T |  E |  L |  O |  M |  E |  R |  E |  |  A |  |  O |  |  T |  | 15R |  N |  A |  |  F |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  L |  |  |  |  P |  |  T |  |  L |  |  I |  |  A |  |  |  |  O |  |  |  |  |  |
|  |  |  |  |  |  |  | 16P |  O |  L |  Y |  P |  L |  O |  I |  D |  Y |  |  D |  |  N |  |  |  |  R |  |  |  |  |  |
|  |  |  |  |  | 17B |  |  |  G |  |  |  |  I |  |  O |  |  M |  |  E |  |  S |  |  |  |  M |  |  |  |  |  |
|  |  |  |  | 18H |  A |  P |  L |  O |  I |  D |  |  C |  |  N |  |  E |  |  S |  |  F |  |  |  |  A |  |  |  |  |  |
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|  |  |  |  |  |  R |  |  | 20D |  I |  P |  L |  O |  I |  D |  |  E |  |  |  |  N |  |  |  |  N |  |  |  |  |  |
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| **Across****2.** A type of RNA that carries copies of instructions for the assembly of amino acids into proteins from DNA to all cell part.**4.** The cell uses information from mRNA to make proteins during \_\_\_\_\_\_\_\_\_\_\_\_\_ .**5.** Each three base set of genetic code.**10.** A group of three bases of tRNA molecule that are complementary to the three bases of condon of mRNA.**11.** A chemical or physical agent in the environment that interacts with DNA and may cause mutation.**14.** The tips of chromosomes.**15.** A singled-stranded nucleic acid that contains the sugar ribose.**16.** A condition in which an organism has extra set of chromosome.**18.** A cell that contains only one set of genes.**19.** The synthesis of an RNA molecule from a DNA template , or pattern.**20.** A cell that contains two sets of homologous chromosomes. | **Down****1.** The language for naming RNA.**3.** A long chains of amino acids that make proteins**6.** The process in which one stain of bacteria is change by a gene or genes from another bacteria.**7.** An enzyme that joins individual nucleotides to produce a new strand of DNA.**8.** Chromosomes in which one set comes from male parent and another set comes from female parent**9.** A change in the genetic material of cell**12.** The process of copying DNA from DNA.**13.** A type of RNA that carries each amino acid to form ribosomes.**17.** A kind of virus that infects bacteria cell. |