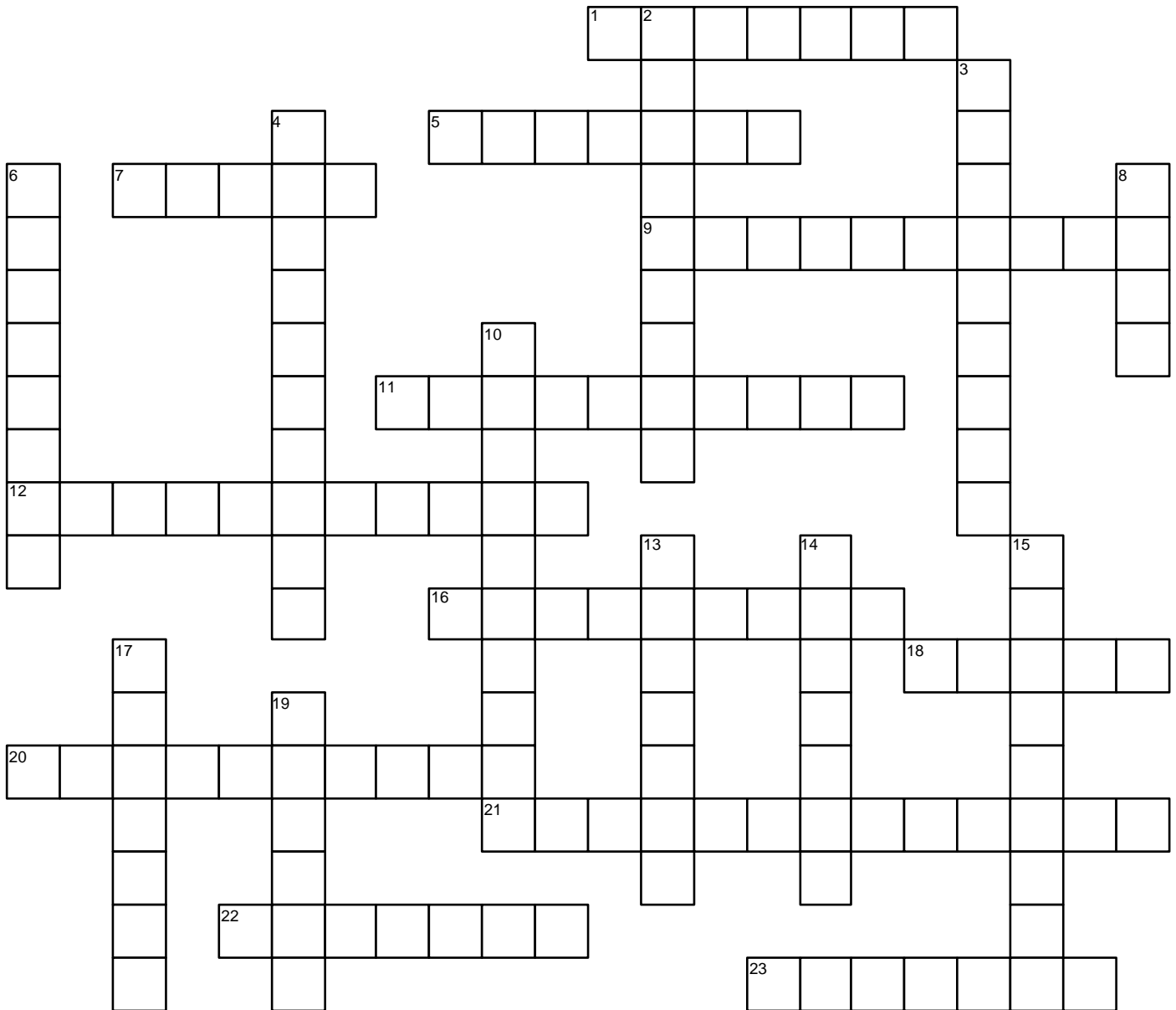


Apologia Biology Module 7: Cellular Reproduction and DNA

Vocabulary from Module 7 of Exploring Creation with Biology (2nd Ed.)

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Clues for “Cellular Reproduction and DNA”

Exploring Creation with Biology (Vol. 2) – Module 7

ACROSS

- 1 A _____ cell is a cell that has only one representative of each chromosome pair.
- 5 The general guidelines of traits determined by a person's DNA are _____ factors.
- 7 A sequence of three nucleotide bases on mRNA that refers to a specific type of amino acid
- 9 DNA coiled around and supported by proteins, found in the nucleus of the cell
- 11 The region that joins two sister chromatids
- 12 A diploid number ($2n$) is the total number of _____ in a diploid cell.
- 16 The factors in a person's life that are determined by the quality of his or her relationship with God are _____ factors.
- 18 A non-cellular infectious agent that has two characteristics: It has genetic material (RNA or DNA) inside a protective protein coat, and it cannot reproduce on its own.
- 20 Specialized proteins that aid in destroying infectious agents
- 21 Those "nonbiological" factors that are involved in a person's surroundings such as the nature of the person's parents, the person's friends, and the person's behavioral choices are _____ factors.
- 22 The process by which a diploid ($2n$) cell forms gametes (n)
- 23 Haploid cells (n) produced by diploid cells ($2n$) for the purpose of sexual reproduction

DOWN

- 2 A three-nucleotide base sequence on tRNA
- 3 _____ RNA performs transcription.
- 4 A haploid number (n) is the number of _____ pairs in a diploid cell.
- 6 The science that studies how characteristics get passed from parent to offspring
- 8 A section of DNA that codes for the production of a protein or a portion of protein, thereby causing a trait
- 10 The time interval between cellular reproduction
- 13 A _____ cell is a cell with chromosomes that come in homologous pairs.
- 14 A weakened or inactive version of a pathogen that stimulates the body's production of antibodies which can aid in destroying the pathogen
- 15 The figure produced when the chromosomes of a species during metaphase are arranged according to their homologous pairs
- 17 A process of asexual reproduction in eukaryotic cells
- 19 A _____ cell is a cell ready to begin reproduction, containing duplicated DNA and centrioles.

Solution to "Cellular Reproduction and DNA"

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