

SBI3C Test 2 – Genetics

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Teacher: Mrs. Jones
Grade: 11

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Multiple Choice (K/U)

Identify the letter of the choice that best completes the statement or answers the question

Unit 2 Test – Genetics

MULTIPLE CHOICE (1 mark each)

1. The study of genes and the inheritance of traits is:
a. Heredity
b. Offspring
c. Genetics
d. Fertilization
2. The proper sequence of mitosis is
a. prophase, anaphase, metaphase, telophase
b. prophase, telophase, anaphase, metaphase
c. metaphase, prophase, anaphase, telophase
d. telophase, prophase, metaphase, anaphase
e. prophase, metaphase, anaphase, telophase
3. Which of the following events is not characteristic of interphase?
a. The cell is inactive.
b. Proteins are synthesized for the next mitotic division.
c. Proteins are synthesized for cell growth and metabolism.
d. The genetic material duplicates in preparation for mitosis.
e. The genetic material is referred to as chromatin.
4. Which of the following structures disappears in prophase and reappears in telophase?
a. centromeres
b. cell membrane
c. chromosomes
d. spindle fibers
e. nuclear membrane
5. If a cell with 36 chromosomes undergoes mitosis, each daughter cell will have
a. 36 chromosomes
b. 72 chromosomes
c. 18 chromosomes
d. 9 chromosomes
e. 6 chromosomes
6. The gene makeup of an organism for a particular trait is its
a. Genotype
b. Pedigree
c. Phenotype
d. Recessiveness

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**Martin A. Croce, David H.
Livingston, Frederick A.
Luchette, Robert C. Mackersie**

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A Directory of Information Resources in the United States: Federal Government National Referral Center (U.S.),1974 **Computational Intelligence in Bioinformatics** Gary B. Fogel,David W. Corne,Yi Pan,2007-11-26 Combining biology computer science mathematics and statistics the field of bioinformatics has become a hot new discipline with profound impacts on all aspects of biology and industrial application Now Computational Intelligence in Bioinformatics offers an introduction to the topic covering the most relevant and popular CI methods while also encouraging the implementation of these methods to readers research Benchmarks Algis Budrys,1985 Over the years since 1965 Algis Budrys has emerged as the leading critic of modern speculative fiction insightful eclectic and notoriously uninhibited Benchmarks collects the material that started it all 54 Galaxy Bookshelf book review columns Budrys created for the now vanished Galaxy Magazine Written for what was then the world's leading SF periodical these legendary summations and summary judgments coincided with the period when newsstand borne science fiction and fantasy were evolving from pulp toward literature Budrys Galaxy reviews trace an incisive some times wickedly acerbic path through that sparsely charted literary territory Budrys defines his standards and his function in his own words A book should be good A bird should fly Writers of imperfect tousled books should be made aware that standards of breeding and grooming exist I strive to fulfill that function The Semantic Web: Research and Applications Enrico Franconi,Michael Kifer,Wolfgang May,2007-06-23 This book constitutes the refereed proceedings of the 4th European Semantic Web Conference ESWC 2007 held in Innsbruck Austria in June 2007 Coverage includes semantic Web services ontology learning inference and mapping social semantic Web ontologies personalization foundations of the semantic Web natural languages and ontologies and querying and Web data models The American Biology Teacher ,2007 *Annual Report* National Institutes of Health (U.S.). Division of Computer Research and Technology,1982 **Medical and Health Care Books and Serials in Print** ,1997 **Casarett & Doull's Toxicology: The Basic Science of Poisons, Eighth Edition** Louis J. Casarett,John Doull,2013-06-19 Accompanying DVD ROM in pocket at the rear of book American Scientist ,1942 **Genetic Engineering News** ,1999 *Government Reports Announcements & Index* ,1996 *Innovative Computational Intelligence: A Rough Guide to 134 Clever Algorithms* Bo Xing,Wen-Jing Gao,2013-12-13 The first notable feature of this book is its innovation Computational intelligence CI a fast evolving area is currently attracting lots of researchers attention in dealing with many complex problems At present there are quite a lot competing books existing in the market Nevertheless the present book is markedly different from the existing books in that it presents new paradigms of CI that have rarely mentioned before as opposed to the traditional CI techniques or methodologies employed in other books During the past decade a number of new CI algorithms are proposed Unfortunately they spread in a number of unrelated publishing directions which may hamper the use of such published resources These provide us with motivation to analyze the existing research for categorizing and synthesizing it in a

meaningful manner The mission of this book is really important since those algorithms are going to be a new revolution in computer science We hope it will stimulate the readers to make novel contributions or even start a new paradigm based on nature phenomena Although structured as a textbook the book s straightforward self contained style will also appeal to a wide audience of professionals researchers and independent learners We believe that the book will be instrumental in initiating an integrated approach to complex problems by allowing cross fertilization of design principles from different design philosophies The second feature of this book is its comprehensiveness Through an extensive literature research there are 134 innovative CI algorithms covered in this book

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