

SBI3C Test 2 – Genetics

Name: Hayleigh Finch
Teacher: Ms. Jones
Grade: 11

Date: July 4th 2023

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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J Rink



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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 *American Scientist* ,1942

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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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