Natural Sciences Biology 3

Biology #3

Author: Sarah Warren

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4. Chapter: Biology 3

1. Biology 3 Questions

4.1.1. what kind of bonds hold amino acids togethor?

Author: Sarah Warren

what kind of bonds hold amino acids togethor?

Please choose only one answer:

- peptide bonds
- hydrogen bonds
- phosphodiester bonds
- none of the above

Check the answer of this question online at QuizOver.com: Question: what kind of bonds hold amino acids togethor Sarah Warren Bio 3 Quest

Flashcards:

http://www.quizover.com/flashcards/question-what-kind-of-bonds-hold-amino-acids-togethor-sarah-warren-bio?pdf=1505

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4.1.2. The scientist who published " on the origin of species by Means of ...

Author: Sarah Warren

The scientist who published " on the origin of species by Means of Natural Selection" is 1859 was?

Please choose only one answer:

- Charles Darwin
- George buffon
- Charles Lyell
- Jean Lamark
- James Hutton

Check the answer of this question online at QuizOver.com: Question: The scientist who published on the origin of Sarah Warren Bio 3 Quest

Flashcards: http://www.quizover.com/flashcards/question-the-scientist-who-published-on-the-origin-of-sarah-warren-bio?pdf=1505

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4.1.3. a tRNA molecule is "bilingual" because it binds to

Author: Sarah Warren

a tRNA molecule is "bilingual" because it binds to

Please choose only one answer:

- Codons of mRNA and amino acids
- Promoters and terminators
- Amino acids in DNA
- DNA and mRNA codons
- Promoters and Amino Acids

Check the answer of this question online at QuizOver.com: Question: a tRNA molecule is bilingual because it binds Sarah Warren Bio 3

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4.1.4. In eukaryotes transcription takes place in

Author: Sarah Warren

In eukaryotes transcription takes place in

Please choose only one answer:

- the ribosome
- the cytoplasm
- the nucleus
- the endoplasmic reticulum

Check the answer of this question online at QuizOver.com: Question: In eukaryotes transcription takes place in Sarah Warren Bio 3 Quest

Flashcards:

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4.1.5. what kind of bonds hold amino acids togethor

Author: Sarah Warren

what kind of bonds hold amino acids togethor

Please choose only one answer:

- peptide bonds
- hydrogen bonds
- phosphodiester bonds
- none of the above

Check the answer of this question online at QuizOver.com: Question: what kind of bonds hold amino acids togethor Sarah Warren Bio 3 Quest

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4.1.6. Hardy Weinburg Equilibrium will not occur in a population in which

Author: Sarah Warren

Hardy Weinburg Equilibrium will not occur in a population in which

Please choose only one answer:

- Individuals mate at random
- Individuals immigrate or emmigrate
- Natural selection does not occur
- Mutations do not occur
- sexual selection does not occur

Check the answer of this question online at QuizOver.com: Question: Hardy Weinburg Equilibrium will not occur in a Sarah Warren Bio 3

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4.1.7. what is true of linked genes

Author: Sarah Warren

what is true of linked genes

Please choose only one answer:

- they do not seperate by independent assortment
- they are on the same chromosome
- they are on different chromosomes
- A and B

Check the answer of this question online at QuizOver.com: Question: what is true of linked genes Sarah Warren Bio 3 Quest

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4.1.8. Babies that are at a low birth weight are more likely to have healt...

Author: Sarah Warren

Babies that are at a low birth weight are more likely to have health problems, while women will have difficulty delivering babies with high birth weight. together this leads to (blank) for babies average birth weight

Please choose only one answer:

- Disruptive selection
- artificial selection
- directional selection
- stabalizing selection
- sexual selection

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Flashcards:

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Author: Sarah Warren

which molecule brings in amino acids during the elongation step of translation?

Please choose only one answer:

- mRNA
- ribosome
- rRNA
- tRNA

Check the answer of this question online at QuizOver.com: Question: which molecule brings in amino acids during the Sarah Warren Bio

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Interactive Question:

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4.1.10. Fitness as it refers to evolution is concerned with how well an org...

Author: Sarah Warren

Fitness as it refers to evolution is concerned with how well an organism can survive

Please choose only one answer:

- True
- False

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4.1.11. A change in the cells DNA sequence is:

Author: Sarah Warren

A change in the cells DNA sequence is:

Please choose only one answer:

- An operon
- A mutation
- Transcription
- Translation
- Replication

Check the answer of this question online at QuizOver.com: Question: A change in the cells DNA sequence is: Sarah Warren Bio 3 Quest

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Author: Sarah Warren

A pedigree is way to see patterns of inheritance

Please choose only one answer:

- True
- False

Check the answer of this question online at QuizOver.com: Question: A pedigree is way to see patterns of inheritance Sarah Warren Bio

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4.1.13. if similarities between two structures in different organisms are t...

Author: Sarah Warren

if similarities between two structures in different organisms are the result of common embryological origin, these structures are

Please choose only one answer:

- Heterologous
- homeotic
- homolgous
- vestigial
- anolgous

Check the answer of this question online at QuizOver.com: Question: if similarities between two structures in Sarah Warren Bio 3 Quest

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Author: Sarah Warren

a change in the genetic make up of a population over time is called

Please choose only one answer:

- artificial selection
- natural selection
- macro evolution
- convergent evolution
- micro evolution

Check the answer of this question online at QuizOver.com: Question: a change in the genetic make up of a population Sarah Warren Bio

Flashcards: http://www.quizover.com/flashcards/question-a-change-in-the-genetic-make-up-of-a-population-sarah-warren?pdf=1505

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Author: Sarah Warren

genotype refers to the physical appearance of an organsim

Please choose only one answer:

- true
- False

Check the answer of this question online at QuizOver.com: Question: genotype refers to the physical appearance of Sarah Warren Bio 3

Flashcards:

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4.1.16. The Central Dogma Refers

Author: Sarah Warren

The Central Dogma Refers

Please choose only one answer:

- To production of energy in cell
- Genetic information passing from RNA to protein by transcription
- To inheritance of traits between generations
- to the flow of genetic information in cells
- Genetic information passing from DNA to RNA by translation

Check the answer of this question online at QuizOver.com: Question: The Central Dogma Refers Sarah Warren Bio 3 Quest

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4.1.17. if a population meets the assumptions of Hardy-Weingburg Equilibrium

Author: Sarah Warren

if a population meets the assumptions of Hardy-Weingburg Equilibrium

Please choose only one answer:

- Natural Selection changes the allele frequencies
- allele frequencies change from one generation to the next so evolution does not occur
- Allele frequencies remain constant from one generation to the next so evolution does not occur
- allele frequencies change from one generation to the next

Check the answer of this question online at QuizOver.com: Question: if a population meets the assumptions of Hardy Sarah Warren Bio 3

Flashcards:

http://www.quizover.com/flashcards/question-if-a-population-meets-the-assumptions-of-hardy-sarah-warren-b?pdf=1505

Interactive Question:

http://www.quizover.com/question/question-if-a-population-meets-the-assumptions-of-hardy-sarah-warren-b?pdf=1505

4.1.18. which level of protein refers to it's 3D structure?

Author: Sarah Warren

which level of protein refers to it's 3D structure?

Please choose only one answer:

- primary
- secondary
- tertiary
- quaternary

Check the answer of this question online at QuizOver.com: Question: which level of protein refers to it's 3D structure Sarah Bio 3 Quest

Flashcards:

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4.1.19. Which of the following is an example of a pre-zygotic reproduction ...

Author: Sarah Warren

Which of the following is an example of a pre-zygotic reproduction barrier

Please choose only one answer:

- the offspring being sterile
- the offspring being non-viable
- the individuals being sexually active at different times of the year
- A and B
- All of the above

Check the answer of this question online at QuizOver.com: Question: Which of the following is an example of a pre Sarah Warren Bio 3

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4.1.20. Amino Acids only differ in R groups

Author: Sarah Warren

Amino Acids only differ in R groups

Please choose only one answer:

- True
- False

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Flashcards:

http://www.quizover.com/flashcards/question-amino-acids-only-differ-in-r-groups-sarah-warren-bio-3-quest?pdf=1505

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4.1.21. What are two observations that support natural selection

Author: Sarah Warren

What are two observations that support natural selection

Please choose only one answer:

- individuals in a population vary in their heritable charicteristics
- organisms poduce more offspring than the environment can support
- individuals in a population have only 2 alleles
- A and B
- A and C

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Author: Sarah Warren

In eukaryotic cells sequences of mRNA that are removed from an mRNA molecule before being translated are

Please choose only one answer:

- Anticodons
- Introns
- Terminators
- Exons
- Proteoms

Check the answer of this question online at QuizOver.com: Question: In eukaryotic cells sequences of mRNA that are Sarah Warren Bio 3

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4.1.23. which protein is the main protein of transcription?

Author: Sarah Warren

which protein is the main protein of transcription?

Please choose only one answer:

- RNA Polymerase
- DNA polymerase
- ligase
- ribosomes

Check the answer of this question online at QuizOver.com: Question: which protein is the main protein of transcript Sarah Warren Bio

Flashcards:

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4.1.24. A three base sequence (loop) in TRNA that is complementary to a seq...

Author: Sarah Warren

A three base sequence (loop) in TRNA that is complementary to a sequence of three bases in mRNA is

Please choose only one answer:

- A codon
- A terminator
- An anticodon
- A promoter

Check the answer of this question online at QuizOver.com: Question: A three base sequence loop in TRNA that is Sarah Warren Bio 3 Quest

Flashcards:

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Interactive Question:

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4.1.25. The process used by cells to convert the mRNA "message" into a sequ...

Author: Sarah Warren

The process used by cells to convert the mRNA "message" into a sequence of amino acids is

Please choose only one answer:

- Replicatio
- Mitosis
- transcription
- Translation

Check the answer of this question online at QuizOver.com: Question: The process used by cells to convert the mRNA Sarah Warren Bio 3

Flashcards:

http://www.quizover.com/flashcards/question-the-process-used-by-cells-to-convert-the-mrna-sarah-warren-bi?pdf=1505

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4.1.26. the mode of natural selection in which one extreme phenotype is mor...

Author: Sarah Warren

the mode of natural selection in which one extreme phenotype is more fit and the environment selects against the others is

Please choose only one answer:

- artificial selection
- disruptive selections
- directional selection
- convergent selection
- stabilizing selection

Check the answer of this question online at QuizOver.com: Question: the mode of natural selection in which one Sarah Warren Bio 3 Quest

Flashcards:

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Interactive Question: http://www.quizover.com/question/question-the-mode-of-natural-selection-in-which-one-sarah-warren-bio-3?pdf=1505 4.1.27. if an organism is heterozygous at a loci which of the following are...

Author: Sarah Warren

if an organism is heterozygous at a loci which of the following are true

Please choose only one answer:

- It has a diploid organisim
- it has 2 different alleles
- it has 2 of the same alleles
- A and B
- A and C

Check the answer of this question online at QuizOver.com: Question: if an organism is heterozygous at a loci which Sarah Warren Bio 3

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Author: Sarah Warren

Which of the following happens to eukaryotic transcript prior to translation

Please choose only one answer:

- a cao is put on one end
- a Poly-a tail is added to the other end
- splicing
- All of the Above
- A and B

Check the answer of this question online at QuizOver.com: Question: Which of the following happens to eukaryotic Sarah Warren Bio 3 Quest

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4.1.29. what is true of incomplete dominance

Author: Sarah Warren

what is true of incomplete dominance

Please choose only one answer:

- it has a new phenotype for the hererozygote genotype
- both alleles are expressed at the same time
- it refers to the X and Y chromosome
- none of the above

Check the answer of this question online at QuizOver.com: Question: what is true of incomplete dominance Sarah Warren Bio 3 Quest

Flashcards:

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Interactive Question:

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4.1.30. Which of the following are supporting evidence for the chromosomal ...

Author: Sarah Warren

Which of the following are supporting evidence for the chromosomal theory of inheritance

Please choose only one answer:

- during meiosis, a homologous chromosome pairs migrate as discrete structures that are independent of other chromosome pairs
- each parent synthesizes gametes that contain only half of their chromosomal pair
- even though male and female gametes differ in size and morphology, they have the same number of chromosomes, suggesting equal contribution from each parent
- the gametic chromosomes combine during fertilization to produce offspring with the same chromosome number as their pair
- all of the above

Check the answer of this question online at QuizOver.com: Question: Which of the following are supporting evidence Sarah Warren Bio 3

Flashcards:

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4.1.31. energy conservation is an important reason cells have gene regulati...

Author: Sarah Warren

energy conservation is an important reason cells have gene regulation; in other words, cells conserve energy by not making proteins when they don't need them

Please choose only one answer:

- True
- False

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4.1.32. A dominant allele requires only one copy to see its effects

Author: Sarah Warren

A dominant allele requires only one copy to see its effects

Please choose only one answer:

- True
- False

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4.1.33. What is the main protein in translation

Author: Sarah Warren

What is the main protein in translation

Please choose only one answer:

- RNA polymerase
- DNA polymerase
- ligase
- ribosome
- endoplasmic reticulum

Check the answer of this question online at QuizOver.com: Question: What is the main protein in translat Sarah Warren Bio 3 Quest

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