

Remote Learning Packet

NB: Please keep all work produced this week. Details regarding how to turn in this work will be forthcoming.

March 30 - April 3, 2020

Course: 9 Biology

Teacher(s): Mr. Malpiedi michael.malpiedi@greatheartsirving.org

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Weekly Plan:

Monday, March 30 - Genetic Equilibrium and Variation

- Read, notes, key vocabulary: p. 317-318
- Three causes of variation
- p. 320, #8

Tuesday, March 31 - Phenotype Change over Time

- Read, notes, key vocabulary: p. 319-320
- Five assumptions of Harvey-Weinberg equilibrium
- p. 320, #6

Wednesday, April 1 - How Genes Change in a Population

- Read, notes, key vocabulary: p. 321-323
- Examples of nonrandom mating
- p. 325, #6

Thursday, April 2 - Natural Selection

- Read, notes, key vocabulary: p. 324-325
- Diagram three patterns of natural selection
- p. 325, #8

Friday, April 3 - *The Origin of Species*

- Define speciation
- Find and annotate examples of speciation in *Origin* selection

Statement of Academic Honesty

I affirm that the work completed from the packet is mine and that I completed it independently.

Student Signature

I affirm that, to the best of my knowledge, my child completed this work independently

Monday, March 30 - Genetic Equilibrium and Variation

- Read all of pages 317-318.
- On a separate sheet of paper, or your Biology notebook if you have it, take notes on the key ideas in the text. Try and rewrite essential ideas in your own words.
- When you come upon a word in bold, write it down on its own separate line, underline it, and then define it. These definitions should be part of your notes, not all lumped together at the end.
- As part of your notes, you must list and describe each of the three causes of variation.
- Finally, create your Question Sheet on a fresh slice of paper. Write a proper heading.
- On your Question Sheet, Complete question 8 on page 320. Keep your Question Sheet safe; it will be where you complete review questions this week. At the end of the week, you should have all the review questions for the week on this one Question Sheet, ready to turn in.

Tuesday, March 31 - Phenotype Change over Time

- Read all of pages 319-320.
- Take notes as described above. In your notes, be sure to list and explain the 5 assumptions of Harvey-Weinberg equilibrium.
- Copy and define key vocabulary as outlined above.
- On your Question Sheet, complete p. 320, #6.

Wednesday, April 1 - How Genes Change in a Population

- Read all of pages 321-323.
- Take notes as described above. In your notes, include 2 or more examples of nonrandom mating.
- Copy and define key vocabulary as outlined above.
- On your Question Sheet, complete p. 325, #6.
- Optionally, if you have access, please wonder at this example of nonrandom mate selection:
<https://www.youtube.com/watch?v=nWfyw51DQfU>
 - Invite your parents to watch with you.

Thursday, April 2 - Natural Selection

- Read all of pages 324-325.
- Take notes as described above. Be sure to diagram all three patterns of natural selection.
- Copy and define key vocabulary as outlined above.
- On your Question Sheet, complete p. 325, #6.

Friday, April 3 - *The Origin of Species*

- In your notes, define speciation.
- After that, find and note an example of speciation in *The Origin of Species* selection attached.
- The sections covered in class were 4-6, 8-13, 17-23, 26-29, 33-36.