


*****COMPLETE THE FOLLOWING IN YOUR NOTEBOOK*****

Write the following at the top of your notebook: **Wednesday February 5, Lesson 1.4 Part 2**

SITUATION #1

Instructions

1. Go to Weebly and click on LINK #1 to open SIM
2. Click on  at the stop left then click on **Fur and Temperature B**
3. Change the temperature of the environment to **COLD LEVEL 1** (move the temperature slider all the way to the left)

BEFORE RUN QUESTIONS

*****DO NOT PUSH THE RUN BUTTON YET!!!*****

Hypothesis: What do you think will happen to the distribution of fur traits in the ostrilope population over time? NOT LOOKING FOR CORRECT ANSWER

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AFTER RUN QUESTIONS

Instructions

1. Click RUN at the top left of the SIM and turn the time to x4 at the top right
2. Pause at Generation 50 then complete the questions below

Look at the histogram of ostrilope population trait for fur then draw it in your notebook

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Explain what the histogram is telling us about fur in the ostrilope population AND why you think it happened.

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SITUATION #2

Instructions

1. Go to Weebly and click on LINK #1 to open SIM
2. Click on  at the stop left then click on **Fur and Temperature B**
3. Change the temperature of the environment to **COLD LEVEL 2** (move the temperature slider all the way to the left)

BEFORE RUN QUESTIONS

*****DO NOT PUSH THE RUN BUTTON YET!!!*****

Hypothesis: What do you think will happen to the distribution of fur traits in the ostrilope population over time? NOT LOOKING FOR CORRECT ANSWER

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AFTER RUN QUESTIONS

Instructions

1. Click RUN at the top left of the SIM and turn the time to x4 at the top right
2. Pause at Generation 50 then complete the questions below

Look at the histogram of ostrilope population trait for fur then draw it in your notebook

Explain what the histogram is telling us about fur in the ostrilope population AND why you think it happened.

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Analysis: What was the difference between scenario 1 and scenario 2 after 50 generations? Why did this happen? Explain in a minimum of 2 or more complete sentences.

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