

Name _____
Teacher _____

Date _____

Guided PowerPoint Worksheet

Directions: Use this worksheet to answer the questions as you follow along with the PowerPoint. Be sure to write down any key vocabulary terms and answer all questions before submitting to your teacher. Completion of this assignment will count towards your class participation. Upon completion, use the PowerPoint and your Notes to complete the Exit Activity.

Objective = _____

1

Motivation

What is the video showing?

Be sure to post your response on the discussion board as well. Make sure to reply to one classmate!

2

Mini Lesson

Define Key Vocab Here:

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Factors For Natural Selection

1.

2.

3.

Thought Questions:

How do variations occur in populations?

If you dye your hair red, is that heritable?

3

Mini Lesson

Conduct the simulation and answer the following questions:

1. Is there variation? If so, describe it.
2. Which trait is favorable?
3. Change the background color to gray by sliding the bar on the bottom. Describe what happens?
4. After changing the background color, which trait was favorable?
5. What color did the population evolve to over time?

4

Guided Practice

Answer the Questions on the slide:

1. Variability: Does the trait vary among individuals in the population?
2. Heritability: Is the trait influenced by genes that pass from parents to offspring?
3. Reproductive Advantage: Are individuals with a certain trait variation more successful at surviving/reproducing than others?

5

Guided Practice

Answer the Questions on the slide:

1. Variability: Does the trait vary among individuals in the population?
2. Heritability: Is the trait influenced by genes that pass from parents to offspring?
3. Reproductive Advantage: Are individuals with a certain trait variation more successful at surviving/reproducing than others?

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Guided Practice

Answer the Questions on the slide:

1. Variability: Does the trait vary among individuals in the population?
2. Heritability: Is the trait influenced by genes that pass from parents to offspring?
3. Reproductive Advantage: Are individuals with a certain trait variation more successful at surviving/reproducing than others?

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Guided Practice

Variations come from _____

In order for genetic changes to be heritable they must occur in the _____

In order for natural selection/evolution to occur there must be _____

Natural selection causes the frequency of advantageous traits to _____

Regents buzz words:

- 1.
- 2.
- 3.

8

Guided Practice

Answer the following Regents problems.

- 1.
- 2.
- 3.
- 4

9

Closure

Why was Pokemon wrong about evolution?

Write your answer in you guided notes and post on the discussion boards. Reply to one classmate!

When finished, complete the Exit Ticket by going to CastleLearning.com
Questions?

Write any questions you may have. We will answer them as a class in a discussion board.