

Thursday, February 6, 2014

Unit: Genetics

Lesson 15

Big Ideas

Genetic information is passed from parent to offspring.

Living things change over time: Evolution

Living things are alike yet different

Objectives

1. Students will be able to understand how new species form and explain this in discussion.
2. Students will be able to compare and contrast models of evolution (gradualism and punctuated equilibrium)

Materials

Science Notebook

Science Book

Rate of Change Lab

Procedures/Strategy

1. Students will enter the room and take down the I can statements in their notebooks.
Teacher will preview the days activities.
 - How do organisms change over time though natural selection Think/Pair/Share
2. Activation of prior knowledge (Engage): Discussion
 - How do new species form?
 - Reading on Kaibab squirrels and Cricket activity
 - Discuss why did they evolve so quickly?
 - How did they evolve?
 - Is this an example of natural or artificial selection?
3. Explore: Reading on the species Molluscaformis and Pedivarious prep for fossil activity
4. Explain: A Peek at the Past activity
 - Students receive copies of....

- 2 organism sheets
 - Timelines
 - Work sheets
5. Elaboration: Discussion of questions
 6. Evaluation: Create a graph of the species change over time.
 7. Have students write down a word or concept they are having trouble with and submit it.

Content Vocabulary

Gradualism

Punctuated Equilibrium

Evaluation

1. Formative

Discussion answers, completion of activity, graphing the characters change over time.

2. Summative

Quiz next week Tuesday Feb. 11

Extensions/Next Steps

- To reinforce this concept, students will be assigned the reading as homework. Follow up with students for confusion with question slips
- Next lesson, adaptation activity.
- Homework: Reading and text boxes on 296-299. Vocabulary due tomorrow.