

Earth Science Dessert Review Carnival

Introduction:

After so much learning of Earth Science, you now have the opportunity to assess the Earth Science knowledge of others. Imagine the most delicious dessert you could ever make like layers of chocolate **strata** with gummy **index fossils** and strawberry twizzler **intrusions**. No, this is not a scene out of Willie Wonka and the Chocolate Factory, but an Earth Science review session completely created with your Earth Science knowledge and culinary creativity. You and one other Earth Science dessert specialist can make **humus** out of hummus, with a little down-to-earth creativity. You will then require the display of knowledge from your fellow Earth Science classmates before giving them a taste of your delectably Earthly treats. The question is will they pass the test?

In this activity, you will create a dessert and small and good related “prize” treats to serve to students who will answer at least 70% of the questions correctly. You and a partner will write questions related to one of the Units of study in Earth Science this year and use a dessert as a model that must be incorporated into the question and answers. A simple example would be like **fine grain igneous** sugar cookies verses **coarse grain igneous** oatmeal cookies. Questions could then be asked about the **grain size, cooling rate, composition, density, color, rock name, etceteras**. Just try not to make cookies that are too much like rocks.

This activity is going to be done in a double lab period in a carnival-like setting. There will be carnival music playing (low) in the background, but you will have to know your Earth Science to eat. So, bring your pencils, Earth Science Reference Tables, a calculator, and an appetite for Earth Science and desserts.

Procedure:

1. With one other student, devise a dessert, questions sheet and **separate** sheet of answers that tests at least 2 major concepts from one of the Units of study in Earth Science this year.
 - There must be at least 10 questions per dessert review station.
 - Students **MUST** get 70% of the questions correct to get the treat.
 - Students are not allowed to go back to a review station once they have received a treat.
 - The questions and answers must be straight-forward.
 - You can use any lesson notes, homework questions, or review questions from the year to write your questions.
 - Please remember to be fair. Don't write answers that are so hard that even you can't answer them.
2. Return your questions, answers, and dessert proposal (attached) to your teacher by the given deadline. Please follow the information in the introduction above.
3. Your dessert **MUST** be different from others in your Earth Science class **AND** you and your partner need to supply all of the materials and desserts.
4. You will need to describe the actual ingredients in case of any potential allergic reactions of other students. If you use something like candy bars or cookies simply cut the ingredients from the package and glue it to your proposal.

Name _____ Date _____ Period _____
Earth Science

Earth Science Dessert Review **PROPOSAL**

DIRECTIONS: Completely fill out the following proposal. Proposals are accepted on a first-come, first-serve basis. No repeats are allowed in the same class. So, get your plans together as soon as possible and hand this proposal in completely filled out. Incomplete proposals will not be accepted.

1. Please list if **you** have ANY allergic reaction to any edible substance like chocolate, peanuts, hard shell nuts, etceteras.

Name _____ allergies _____

Name _____ allergies _____

2. Describe, in detail, what your **demonstration** dessert will be.

3. Describe, in detail, what your small and good "**prize**" treat will be.

4. Please sketch a drawing (in pencil) of your **demo dessert**.

5. Please type out at least 10 questions and answers for use during the Dessert Review Carnival and **attach to this proposal**.

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- The questions and answers must be straight-forward.
- You can use any lesson notes, homework questions, or review questions from the year to write your questions.
- Please remember to be fair. Don't write answers that are so hard that even you can't answer them.

6. Include and/or attach a detailed list of all ingredients
