**The Cookie Lab**

**Part One:**

1. Do all of the cookies on the plate come from the same recipe?
2. Upon close examination, do all of the cookies on a given plate look identical?
3. What similarities, if any, do you observe?
4. What differences, if any, do you observe?

**Part Two:**

1. What are the possible reasons why all the cookies baked by the same individual might not be identical?
2. What are possible reason why two batches of cookies baked by different individuals, using the same recipe, might not be identical?
3. Using the cookies as examples, can you tell by looking at a group of different organisms as to which had the most similar recipes? Explain your answer.
4. Why isn’t there only one recipe for cookies?
5. How might recipes change from one generation of bakers to the next?
6. Can you think of cookies that seem to be specific to one ethnic group or

geographic region? If yes, give an example. Why might this be?

1. \* If you were asked to divide these four representatives of the cookies species into three groups, such as we divide species into varieties or breeds, what would they be? Provide a rationale for your grouping.
2. \*Which recipe is most different from the others? What made it seem so different?

\* Each group should have samples from each recipe in order to answer these questions.