**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cell Conference**

**Introduction:**

Even though a typical cell is only 10 micrometers wide, they are essential for our survival and the survival of all living things. Therefore, understanding the complex structure (anatomy) and functions (physiology) of the cell is crucial to understanding life in general.

**Objectives:**

* to understand the structure and function of 14 of the most important cell organelles
* to be able to identify these 14 very important cell organelles (based on photos, drawings, and descriptions of structure and function)

In this activity, we will begin to improve our understanding of the cell by simulating a ‘cell conference’. Conferences tend to be large meetings in major cities where people share knowledge and resources. These conferences almost always begin with a meet and greet.

**Directions:**

1. At the cell conference each of you will take on a new identity. You will become part of the cell (a very important part indeed!). The first step is to do some research about yourself. Explore your self-identity.

* Who am I?
* Where am I located?
* What is my structure?
* What is my function (role in the cell)?
* What do I look like (draw a self portrait)?

2. You will need to use your textbook to start your research, but your research should not stop there. Use the internet, other text books, or the library for additional resources.

3. After you learn a little bit about yourself, you will need to devise a ‘bio’ or resume. Your ‘bio’ should include the following information:

* A detailed photo of yourself on the front (drawing)
* Your organelle name (do you have a nickname as well?)
* Your location in the cell
* Are you found in a plant cell, animal cell or both?
* What do I look like (what is my structure)?
* What is my function in the cell (job)?

4. You must be able to tell others, at the conference, about yourself without stumbling … so practice and learn your information well.

5. In class, we will simulate the meet and greet. You need to meet each of the very important cell organelles. Don’t worry; you will recognize them easily because everyone will be wearing name-tags! When you meet another cell structure, you should write down their information (for future reference) on the worksheet provided.

\* A conversation between you and another cell organelle should go something like this:

You: Hello, my name is nucleus (or whoever you are)

Cell structure: Hi, my name is ….

You: Nice to meet you, where are you located? … and so on. Basically, you are each exchanging information with each other to complete your worksheets.

6. Since everyone will research their cell structure as thoroughly as possible, and you will be taking notes when you meet these other (very important) cell structures, you will have a quiz at the end of class.

# Organelle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_