

Name: _____

BAKING AN ANIMAL CELL

***Read and follow the directions below.**

A diagram of a cell makes it look flat; a cell also looks flat under a microscope. It is important to remember that a cell is **not** flat at all. In this activity, you will make a cell model that will help you to visualize a cell as **three-dimensional**.

MATERIALS NEEDED:

- Colored pencils
- Scissors
- Measuring cup
- ¼ c. Flour
- ¼ c. Salt
- ¼ c. Water
- paper or cardboard (the *inside* of empty cereal or cracker boxes works great)

DIRECTIONS:

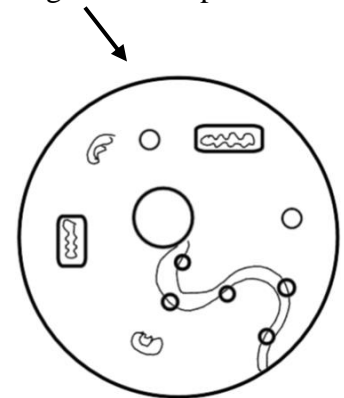
1. Color the cell organelles and labels found on the next page using the colors from **Packet 2-4**.
2. Cut out the cell organelles and labels. Find a piece of cardboard and trim it to the size of this paper. Set it aside as you continue.
3. Into a bowl, measure ¼ cup each of flour and salt, and carefully mix the ingredients together.
4. Add ¼ cup of water.
5. Using your fingers, gently knead the ingredients together until a dough is formed.
6. Using your fingers, mold your dough onto the prepared cardboard in the shape of a large cookie.
7. Gently press the **organelles** and their **labels** onto your model. Use the diagram for step 8 as a **suggested** guide.
9. There are 3 options for the next step:

Use a microwave: microwave your 'cell' on the cardboard for at least 2 minutes.

Use an oven: bake the 'cell' on the cardboard by placing it on a cookie sheet in an oven preheated to 350°F for 10-15 minutes.

Air dry: complete this activity on Friday and let it sit out in a warm room so the dough can harden sealing in the organelles and labels.

10. You will observe the dough rise and waver as it cooks. Be careful removing the cell from the the microwave or oven as it will be **HOT!**
11. With a **pen**, neatly write your **full Ray M.S. heading** on the *front* of the cardboard and a title above your creation reading **CELL**.

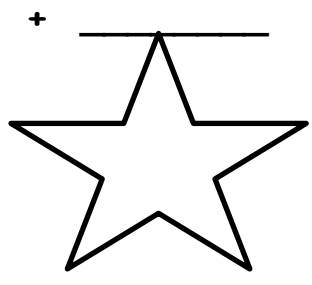
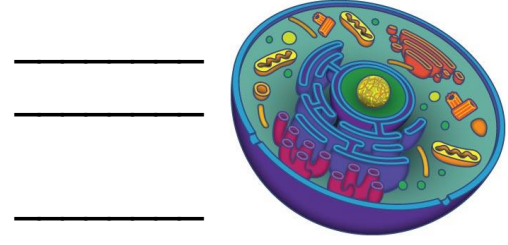


***There are extra copies of Packet 2-4, organelles, & rubric on <http://www.quia.com/pages/mcapone/page13> ***

Name: _____
Science _____

Date: _____
Bake a Cell Rubric

- Full heading on front of project (10 pts)
- Title (Cell) in pen (10 pts)
- Organelles & labels colored correct colors (10 pts)
- All organelles present on project (15 pts)
- All labels present & accurate (15 pts)
- Shape of cell (10 pts)
- Completed (30 pts)



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