

Organelle Poetry

Honoree: Nikky Finney

Grade Level: 9-10

Subject: Biology

Standard/Indicator

SC Scientific Inquiry Standard for K-5 B 2.2-Summarize the structures and functions of organelles found in a eukaryotic cell (including the nucleus, mitochondria, chloroplasts, lysosomes, vacuoles, ribosomes, endoplasmic reticulum [ER], Golgi apparatus, cilia, flagella, cell membrane, nuclear membrane, cell wall, and cytoplasm).

Goal/Objective

- Identify organelles in a diagram or model
- Illustrate appropriate organelles found in plant and animal cells
- Classify a cell as a plant or animal cell based on description of the organelles.
- Compare plant cells to animal cells

Items/Materials Needed

- 2013 AT&T African American Calendar
- Construction Paper
- Markers or Color Pencils
- KWL Chart (attached)
- Cell Organelle PPT w/ Student Notes (attached)

Steps/Strategies

1. Teacher activates prior knowledge through the instructional activity KWL (attached).
2. Once the students have completed the Know and Wonder section of the KWL chart, the teacher will guide students through Cell Organelle PPT Lesson (attached).
3. Teacher introduces Honoree Nikki Finney and samples of her work.
4. Students will make a poetry book using the cell organelles that were covered in the lesson. In this book the students will create a poem for each of the organelles that will include the structure and function of each organelle.

Printable Worksheets

- KWL Chart (attached)
- Cell Organelle PPT w/ Student Notes (attached)

KWL CHART

Be sure to *bullet* your list.

Use *content words* only (nouns, verbs, names of people and places, dates, numbers, etc.).

WHAT DO I K NOW?	WHAT DO I W ANT TO KNOW? <i>or</i> WHAT DO I W ANT TO SOLVE?	WHAT HAVE I L EARNEED?
•	•	•

KWL

Using a **KWL** chart like the one above is useful to help you think through your project; it also shows what you have gained as a result of your efforts!

There are three parts to the **KWL**:

1. WHAT DO I **K**NOW?

- Once your topic or problem has been assigned, your first step is to list everything you already know about the topic or problem. Use bullets and content words only.
- There are two reasons to list what you already know:
 1. writing down what you already know will help you write questions about what you need to find out
 2. writing down what you already know will make it clear later exactly what information needs to be cited; in other words, you can avoid plagiarizing

Example: *What do I know about the Underground Railroad?*

2. WHAT DO I **W**ANT TO KNOW? *or*

WHAT DO I **W**ANT TO SOLVE?

- Now that you've figured out what you already know about your topic or problem, you'll be able to brainstorm some questions that will help guide your reading.
- As you're reading, you may have other questions pop up- be sure to read with a pen or pencil in your hand so you can record your questions as they come up.

Example: *What do I want to know about the Underground Railroad?*

3. WHAT HAVE I **L**EARNT?

- After you've finished your assignment, jot down the most memorable things you have learned while researching your topic or problem. Why were they memorable?
- You can also compare what you've learned to your "want to know/solve" questions. Have you satisfied your curiosity?