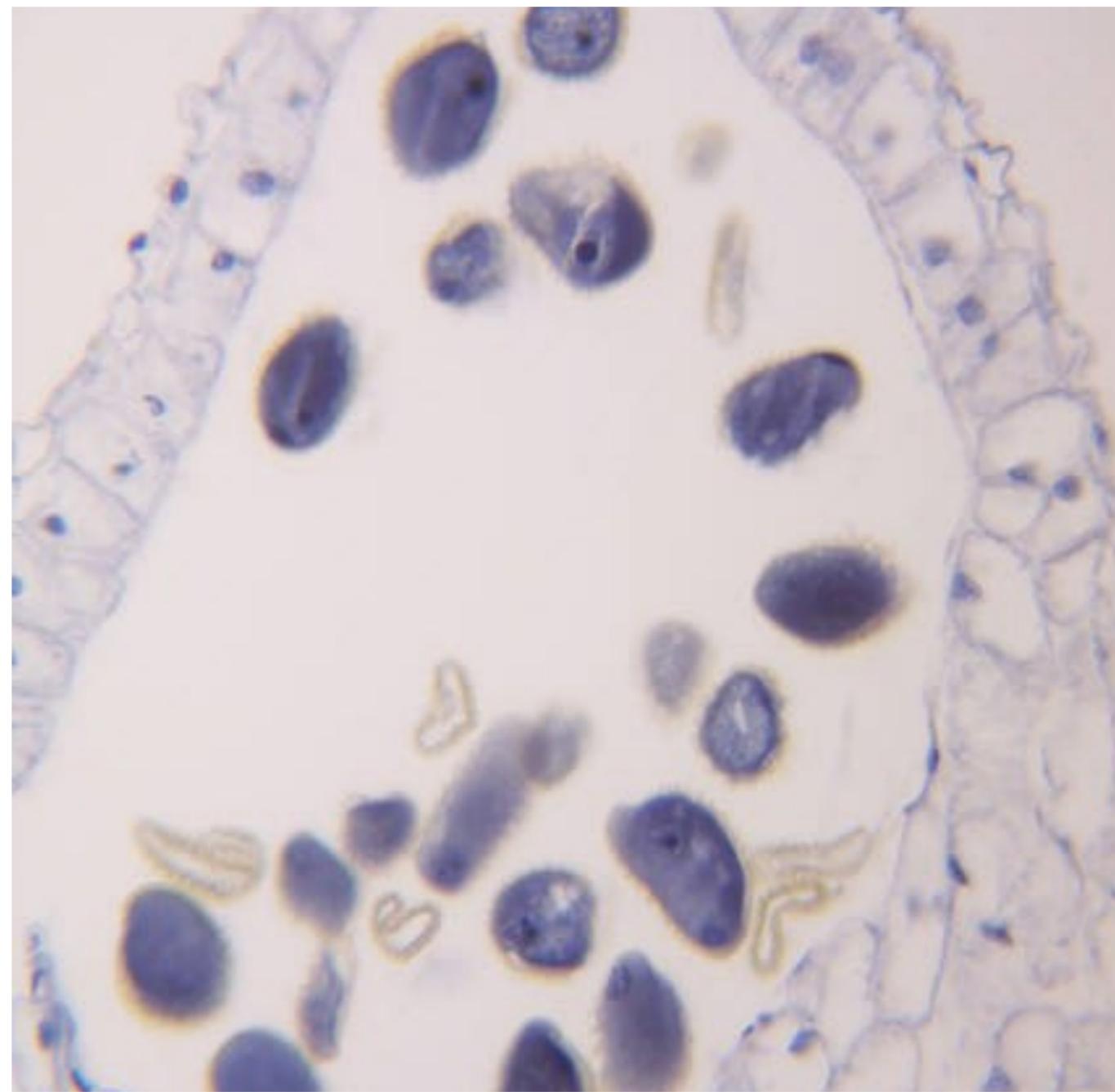


Form/Structure/Organization • Relationships • Cells •
Choreography •



ATLANTA BALLET

Centre for Dance Education

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This activity will challenge students to create dances to represent the different parts of a cell.

Essential Question:

How can dance composition aid in identifying the parts of a cell?

Process

- Begin by playing the Vocabulary Circle Game with your class.
- Put the vocabulary words (cell parts) on the board and, as a group, discuss adjectives that describe each cell part.
- Break students into groups and assign each group a cell part.
- Ask students to create a short movement sequence to represent the cell part. Remind students to use their adjectives as a guide.
- Students will perform their dance sequence for the group.
- Ask the audience to identify which cell part they see in the dance sequence and what cell (plant or animal) it belongs to.

Assessment

- Students will perform/move to steady beat.
- Students' dances match cell part appropriately.
- Audience members are able to correctly identify the cell part and type of cell in each "cell dance" performance.
- Students display appropriate audience behavior.

Materials

- sound source (e.g., CD Player) and recordings
- cards with cell parts written on them

Vocabulary

Choreography

Creating the movements in dances

Cells

A microscopic structure containing nuclear and cytoplasmic material enclosed by a semi permeable membrane and, in plants, a cell wall; the basic structural unit of all organisms.

Nucleus

Specialized, usually spherical mass of protoplasm encased in a double membrane, and found in most living eukaryotic cells, directing their growth, metabolism, and reproduction, and functioning in the transmission of genic characters

Cytoplasm

The cell substance between the cell membrane and the nucleus, containing the cytosol, organelles, cytoskeleton, and various particles

Cell wall

The definite boundary or wall that is part of the outer structure of certain cells, as a plant cell

Membrane

The thin, limiting covering of a cell or cell part

Chloroplast

A plastid containing chlorophyll

Georgia Performance Standards

SCIENCE

GRADE 5

S5L3: Students will diagram and label parts of various cells (plant, animal, single-celled, multi-celled).

DANCE

GRADE 5

D5FD.1: Identifies and demonstrates movement elements, skills, and terminology in dance

D5CR.1: Demonstrates an understanding of creative and choreographic principles, processes, and structures

D5RE.1: Demonstrates critical and creative thinking in all aspects of dance

D5CO.4: Demonstrates an understanding of dance as it relates to other areas of knowledge

National Standards

SCIENCE

NS.K-4.3: As a result of activities in grades K-4, all students should develop understanding of:

- The characteristics of organisms

NS.5-8.3: As a result of their activities in grades 5-8, all students should develop an understanding of:

- structure and function in living systems

DANCE

Standard 2: Understanding choreographic principles, processes, and structures

Standard 4: Applying and demonstrating critical and creative thinking skills in dance

Standard 7: Making connections between dance and other disciplines