

Lesson/Activity Title:

MITOSIS FOLDABLE



Time: 30-60 minutes

Instructional Goals:

- The student will use the **PebbleGo Next Science** database to complete a foldable graphic organizer about mitosis.

Materials/Resources:

- **PebbleGo Next Science** online database
- **Mitosis** foldable (2 pages copied back-to-back, one for each student)
- Scissors and colored pencils/crayons

Procedures/Lesson Activities:

Focus

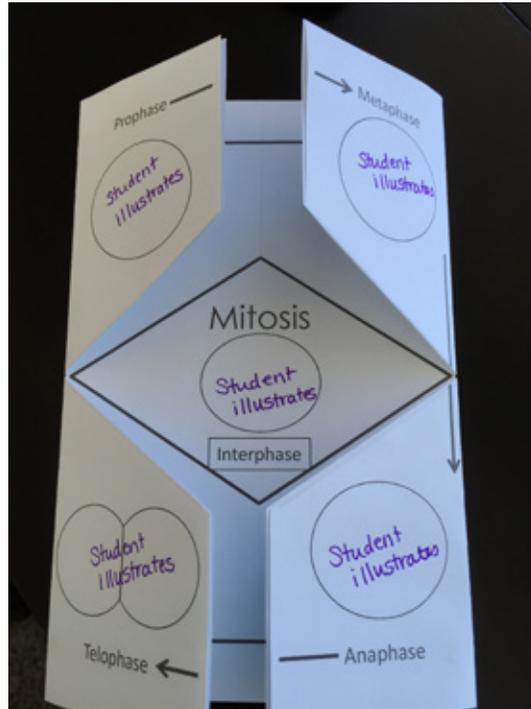
1. Using building blocks or bricks (or another analogy), begin a discussion about the importance of cells and how they are the building blocks of all living things. Explain that all living things grow by making more cells. Just like a toy structure made of blocks cannot grow without adding more blocks, living things cannot grow without adding more cells.

Teach/Model

2. Explain that cells grow by dividing. There are two ways cells divide- mitosis and meiosis. How a cell divides, whether by mitosis or meiosis, depends on the type of cell it is. Today, students will focus on the process of mitosis.

Guided Practice

3. Give each student a **Mitosis foldable**. Have students cut out the triangles that say "cut here." Demonstrate how to fold the sides of the paper towards the middle, as shown below.



4. Show students how to navigate to **PebbleGo Next Science** online database's article on Cell Division. Explain students are going to use the information and graphics from the article to complete their foldable.
5. Tell students they will illustrate the cell division on the outside of the foldable (in the circles). On the inside of the foldable, they will write a definition explaining each phase of mitosis in the correct section.

Independent Practice

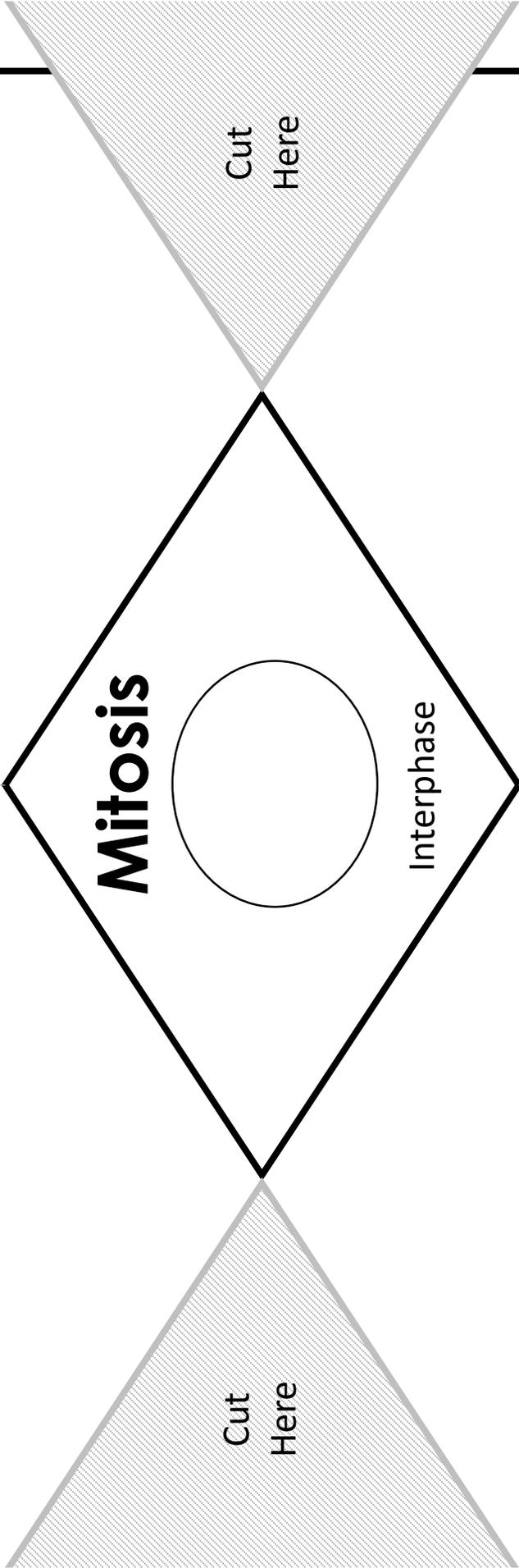
6. Students complete the **Mitosis foldable**.

Closure

7. Check completed **Mitosis foldables** for accuracy before students glue it into their science journal or notebook.
8. Reference the mitosis foldable as the class continues its study of cell division.
9. If needed for reinforcement, have students act out or create a model, video, or other visual demonstrating the process of mitosis.

Prophase

Metaphase



Cut Here

Cut Here

Mitosis

Interphase

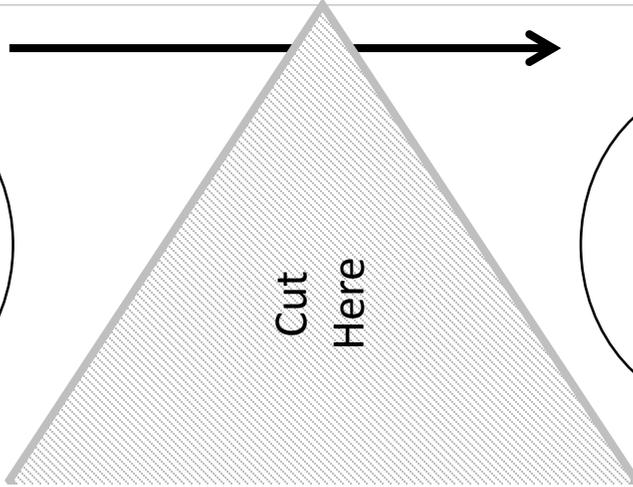
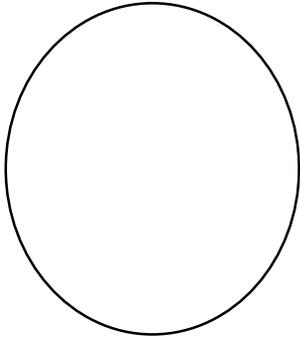
Prophase

Metaphase

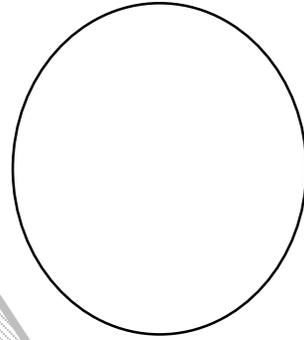
Telophase

Anaphase

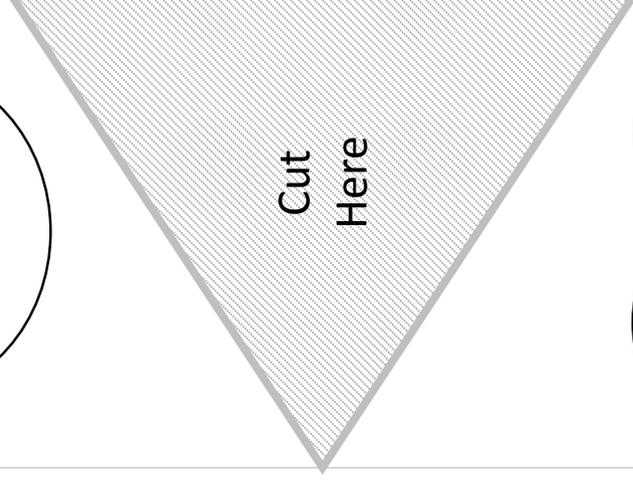
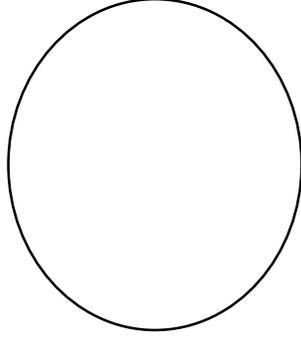
→ Metaphase



— Anaphase



Prophase —



← Telophase

