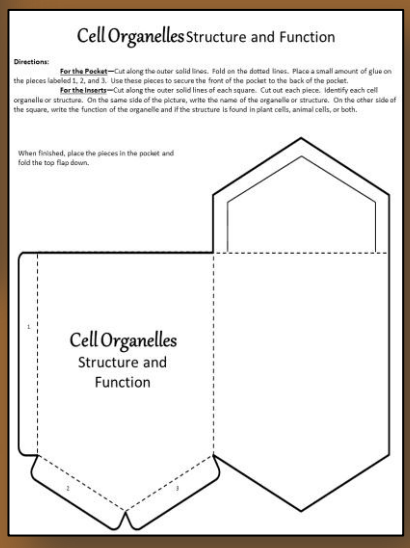
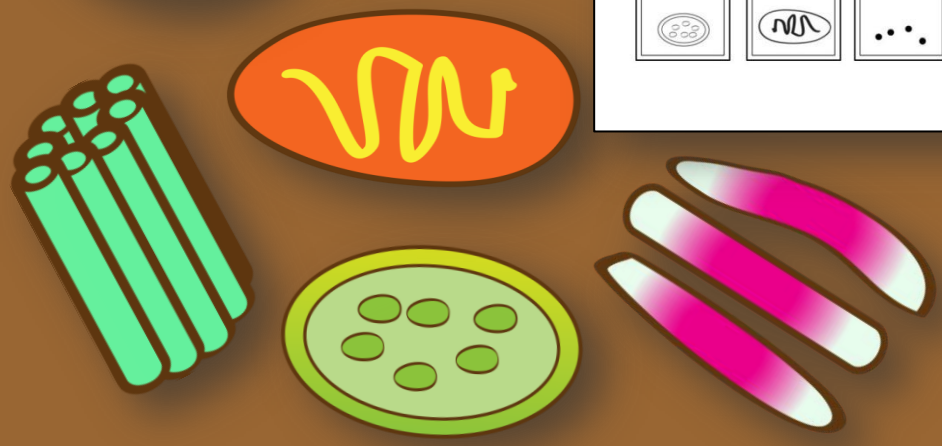
Cell Organelles

21 Sc 44.956 IENCE From The South

Structure and Function

Interactive Notebook Activity





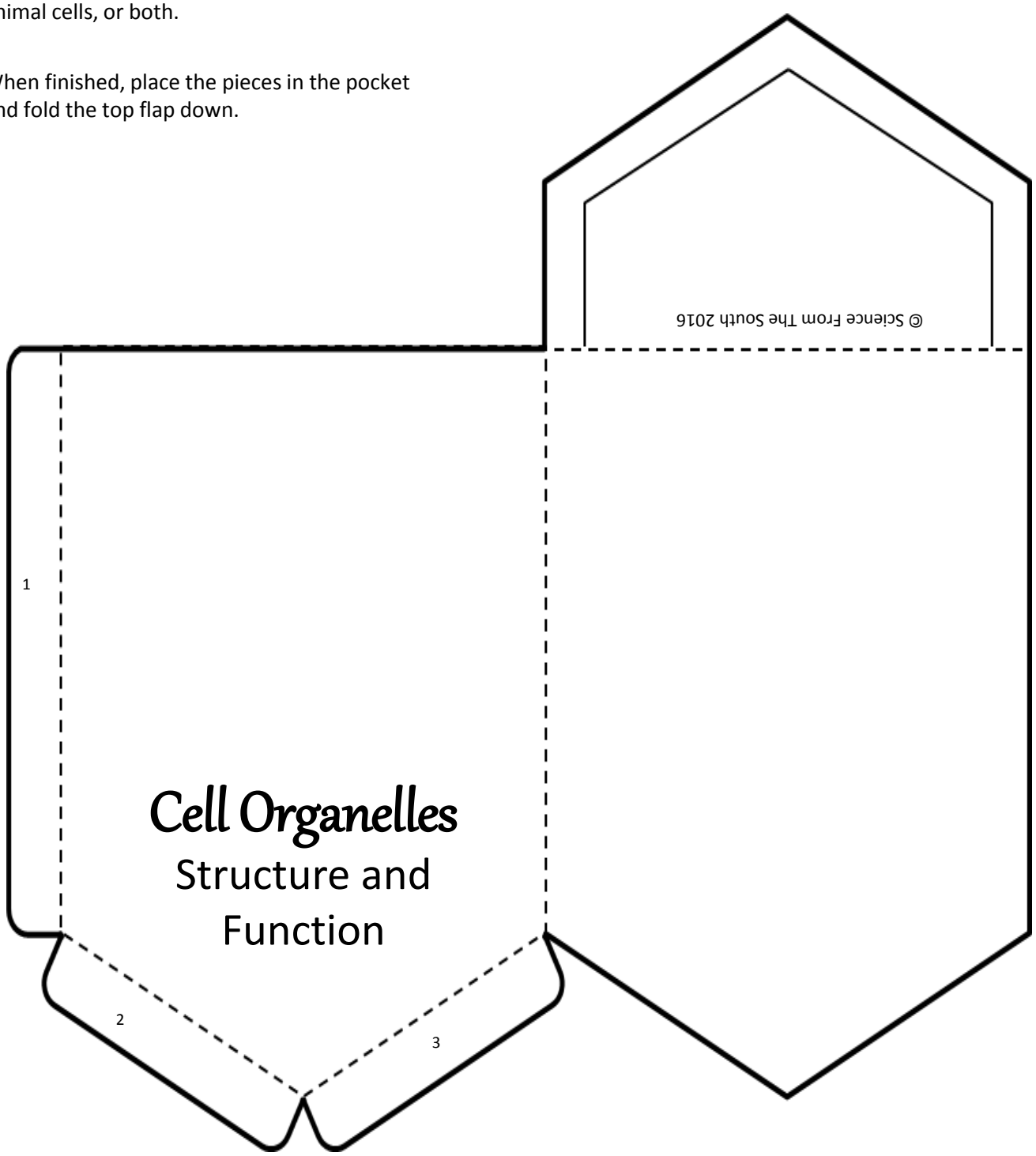
Cell Organelles Structure and Function

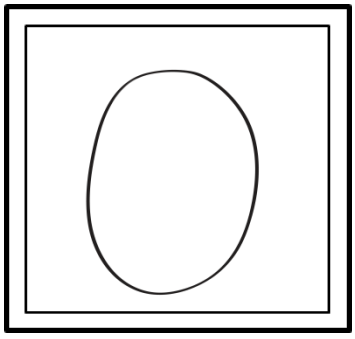
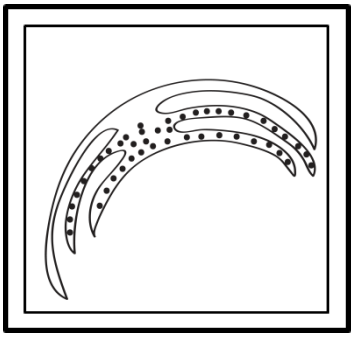
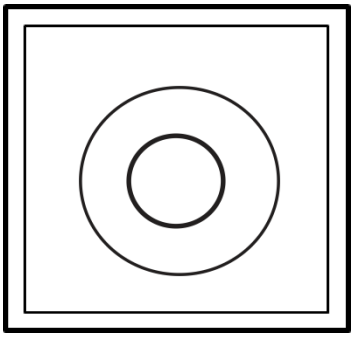
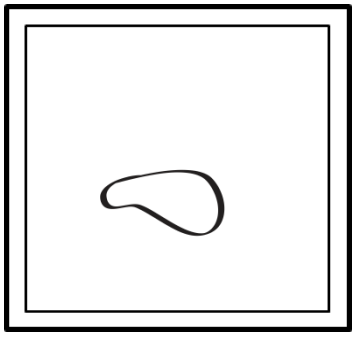
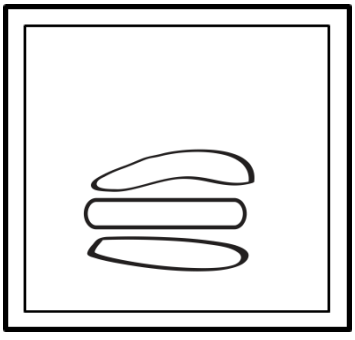
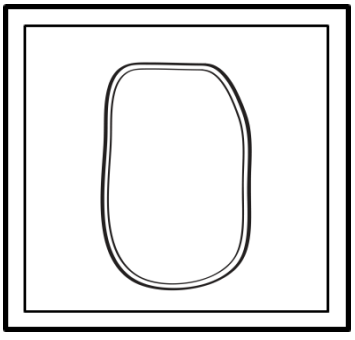
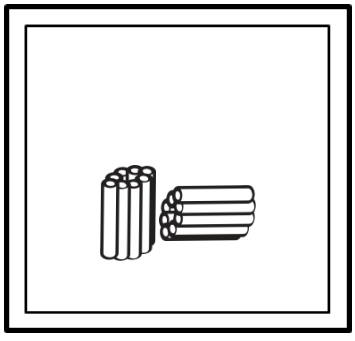
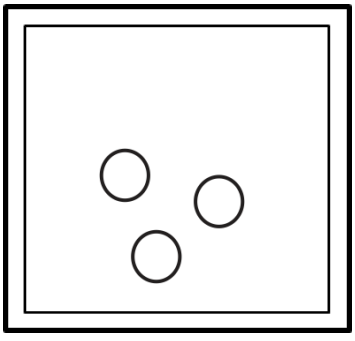
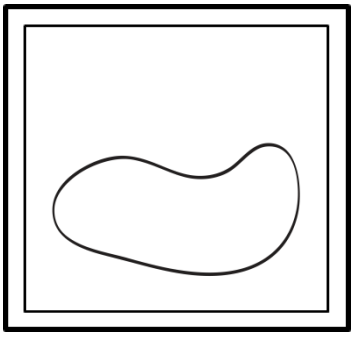
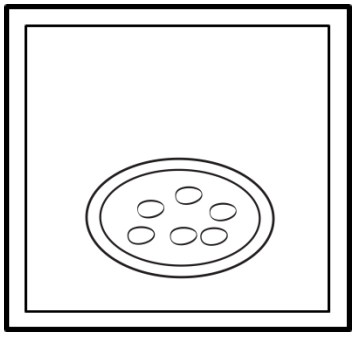
Directions:

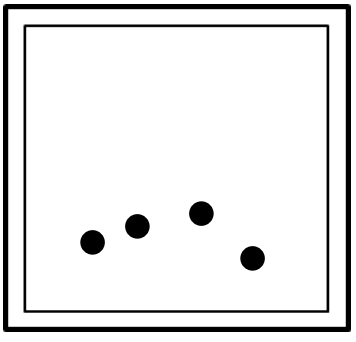
For the Pocket—Cut along the outer solid lines. Fold on the dotted lines. Place a small amount of glue on the pieces labeled 1, 2, and 3. Use these pieces to secure the front of the pocket to the back of the pocket.

For the Inserts—Cut along the outer solid lines of each square. Cut out each piece. Identify each cell organelle or structure. On the same side of the picture, write the name of the organelle or structure. On the other side of the square, write the function of the organelle and if the structure is found in plant cells, animal cells, or both.

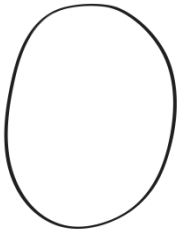
When finished, place the pieces in the pocket and fold the top flap down.



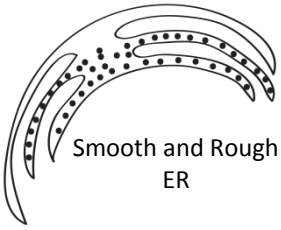













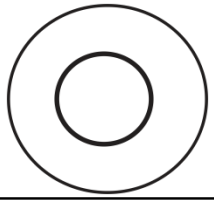
Cell Membrane



Smooth and Rough ER



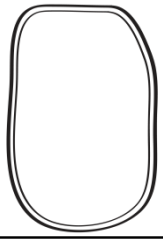
Nucleus and Nucleolus



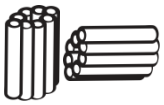
Small Vacuole

Golgi Bodies

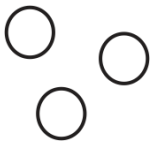
Cell Wall



Centrioles

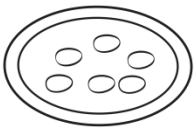


Lysosomes



Large Vacuole

Chloroplast



Mitochondria

Ribosomes

Cell Membrane

Structure found in all cells. It is essential in maintaining homeostasis by controlling what gets in and out of the cell.

Smooth and Rough ER

The smooth ER contains enzymes that aid in cell function. The rough ER is responsible for transporting proteins. It acts like a highway of the cell.

Nucleus and Nucleolus

The nucleus is the boss of the cell. It holds the DNA (instructions for making proteins). The nucleolus is the center of the nucleus where ribosomes are made.

Small Vacuole

Also known as a vesicle, they are used as storage and transportation vesicles to move materials in and out of the cell. Smaller ones are found in animal cells.

Golgi Bodies

Responsible for inspecting and packaging proteins before they are shipped out to their target areas.

Cell Wall

Thick, rigid outer wall found in plant cells, but not animal cells. It provides support and protection for the cell.

Centrioles

Structures found in animal cells that aid in cell division.

Lysosomes

Responsible for cleaning up the cell, by getting rid of waste. Found in animal cells only. NOTE: Some scientists believe they are found in plant cells but rarely visible.

Large Vacuole

Large storage compartment used for storing water and other materials needed. Larger vacuoles are found in plant cells.

Chloroplast

The site of photosynthesis. It is found in plant cells but not in animal cells.

Mitochondria

The power house of the cell responsible for cellular respiration.

Ribosomes

Responsible for making proteins in the cell. Found attached to the rough ER and free floating in the cytoplasm.

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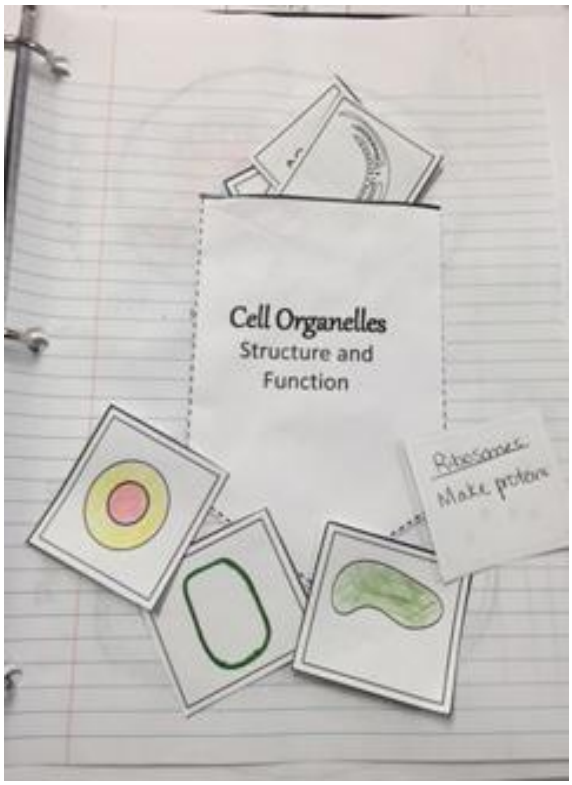
Thank you for your download!

If you have any questions or concerns, please do not hesitate to let me know. Your 100% satisfaction is valued. Feedback and ratings are greatly appreciated.

Teacher's Notes:

You can use this product in many different ways. See some examples below!

- Interactive notebook
- Manipulative
- Pre-assessment, practice assignment, assessment (match pictures with descriptions)
- Cooperative learning
- As a station
- For early finishers
- Differentiated for you already (give students with special needs labeled squares and descriptions and have them match).
- Race to complete
- Game



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