

Pizza Box Cell

Materials:

Small pizza box

Color coded cell parts (cell membrane, cytoplasm, ribosomes, golgi complex, lysosomes, endoplasmic reticulum (ER), mitochondria, and nucleus-DNA)

Cell parts labels

Glue

Directions:

1. Using a small individual pizza box, begin gluing pieces on the round that goes inside.
2. Start with the cell membrane; then glue the red cytoplasm on it.
3. Put nucleus and DNA in the center of the cell.
4. Follow with scattering parts throughout the cytoplasm---cover entirely.
5. Then place labels beside one of the parts.

Cell Functions:

Cell Membrane - the thin membrane that forms the outer surface of the protoplasm of a cell and regulates passage of materials in and out of the cell.

Cytoplasm - the human body is made up of cells and within every cell is a nucleus. Everything else contained within the cell wall is the cytoplasm.

Ribosomes - they are the protein builders - like construction workers who build long chains of amino acids.

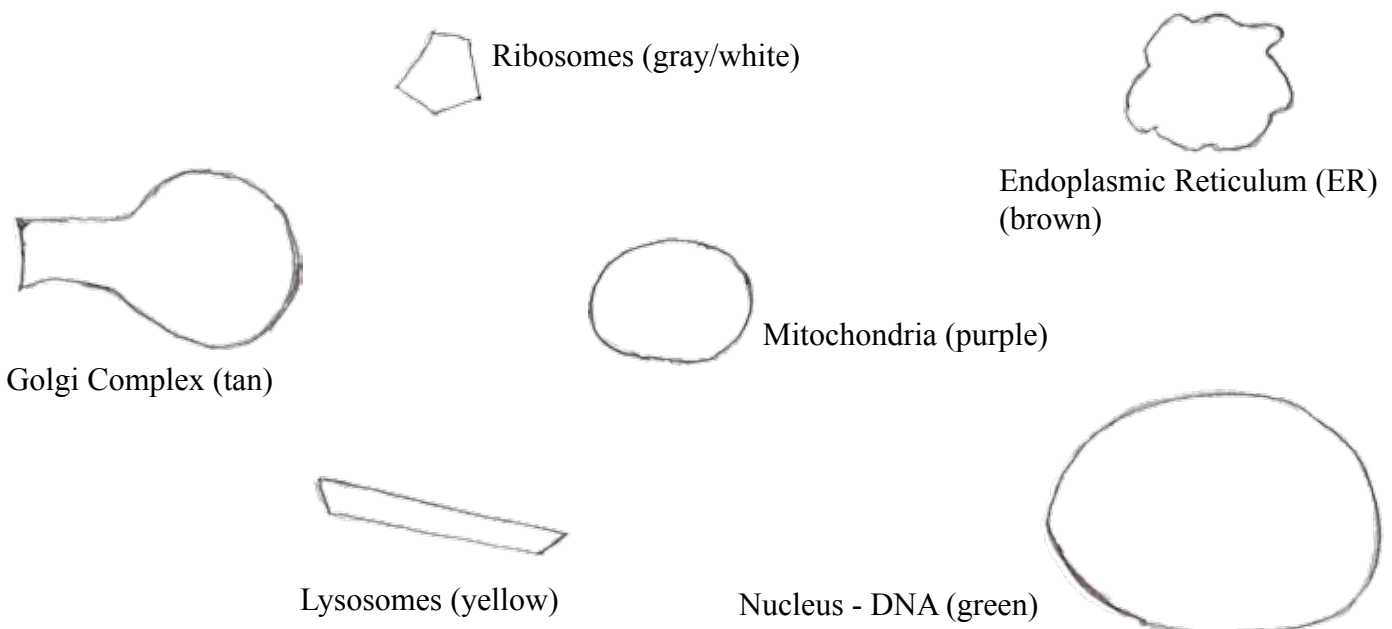
Golgi Complex - is responsible for manufacturing, warehousing and shipping certain cellular products from the endoplasmic reticulum (ER).

Lysosomes - act as the waste disposal system of the cell by digesting unwanted materials in the cytoplasm.

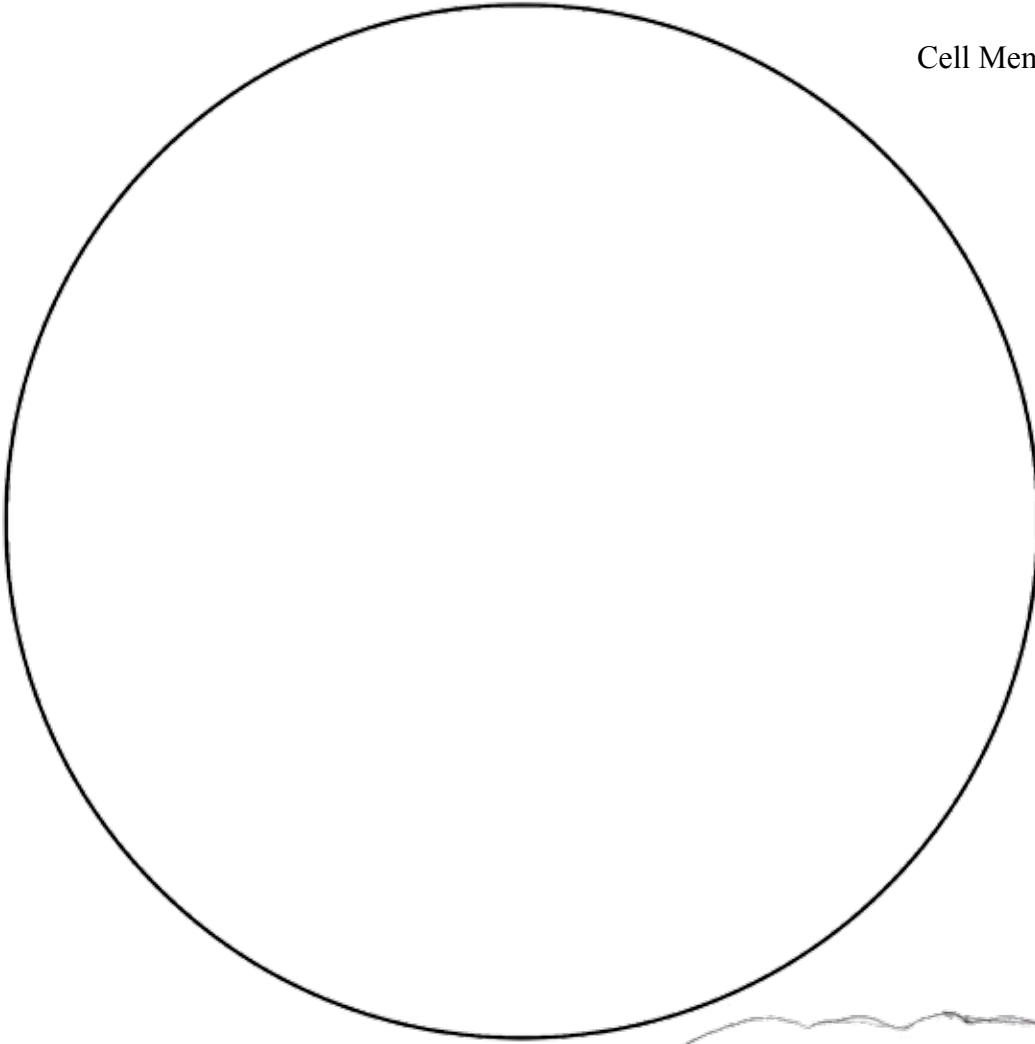
Endoplasmic Reticulum (ER) cells involved in transporting cellular materials.

Mitochondria - turns food and oxygen into energy - MIGHTY MITOCHONDRIA.

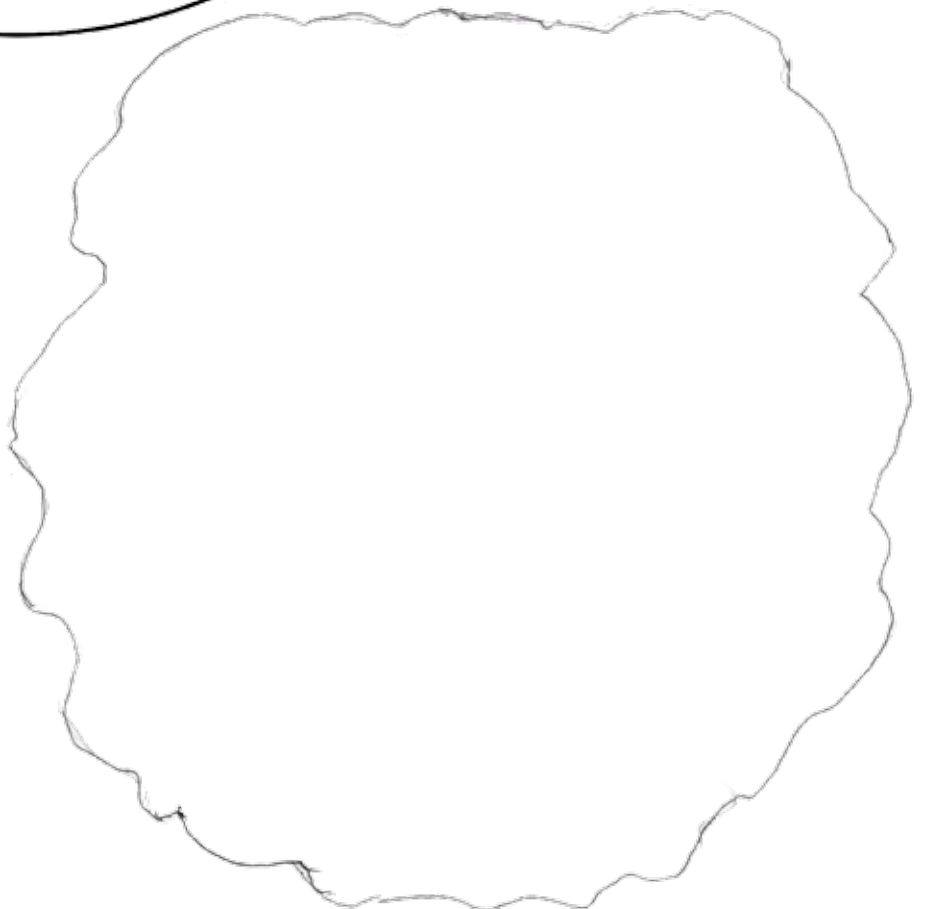
Nucleus - DNA - the **nucleus** contains DNA and controls cell growth and reproduction; **DNA** is a substance that carries genetic information in the cells.



Cell Membrane (off white)



Cytoplasm (red)



Cell Membrane
Cytoplasm
Ribosomes
Golgi Complex
Lysosomes
Endoplasmic Reticulum (ER)
Mitochondria
Nucleus - DNA

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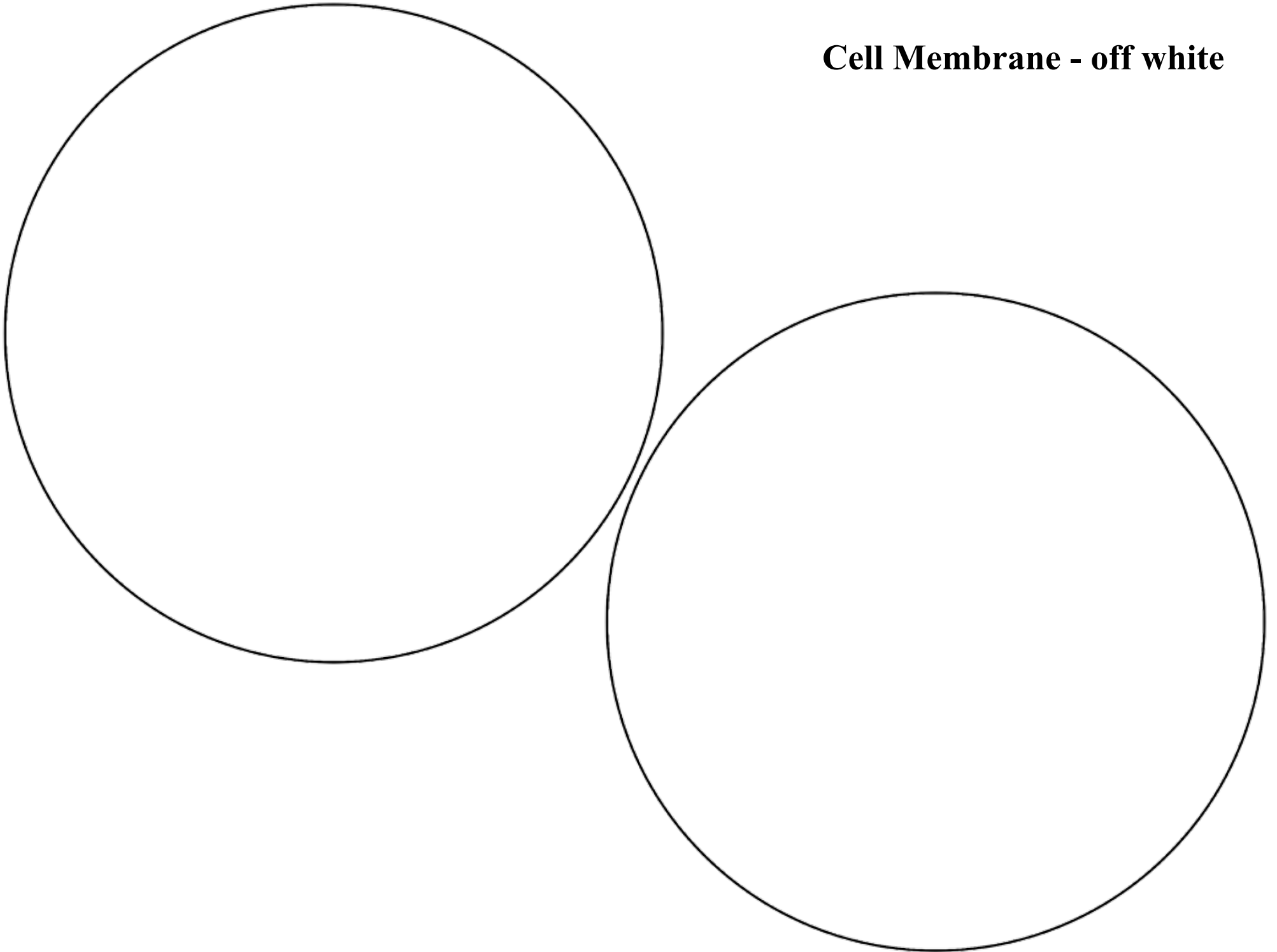
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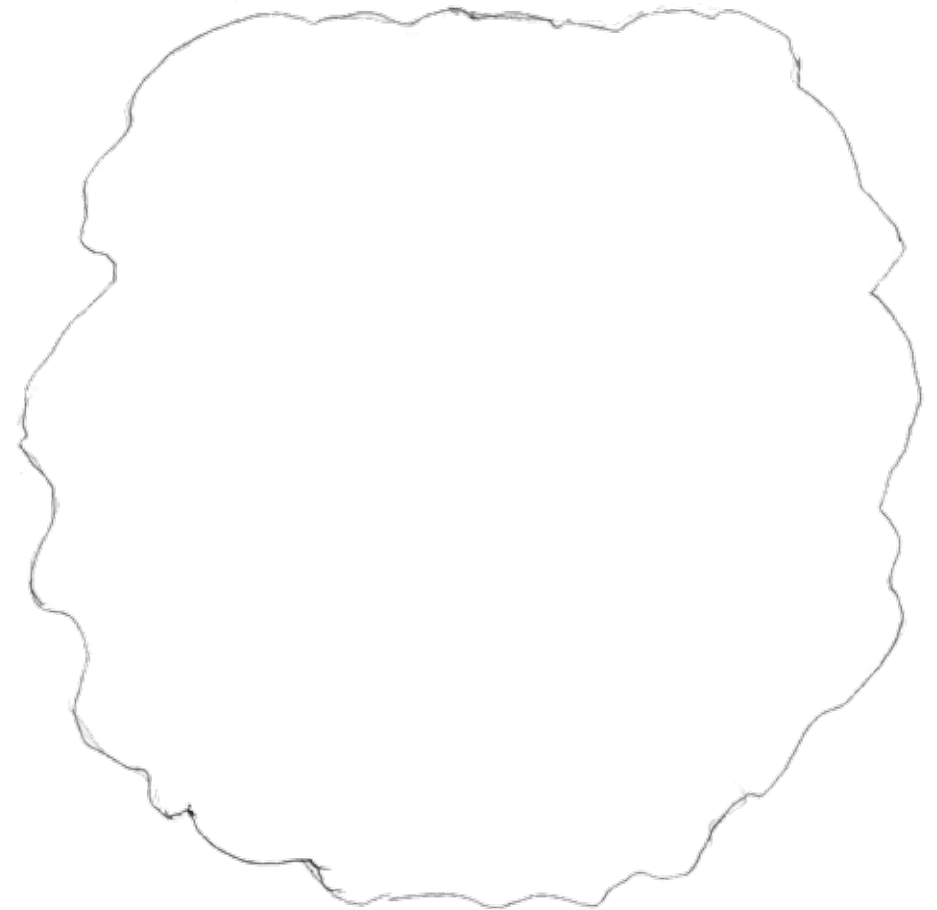
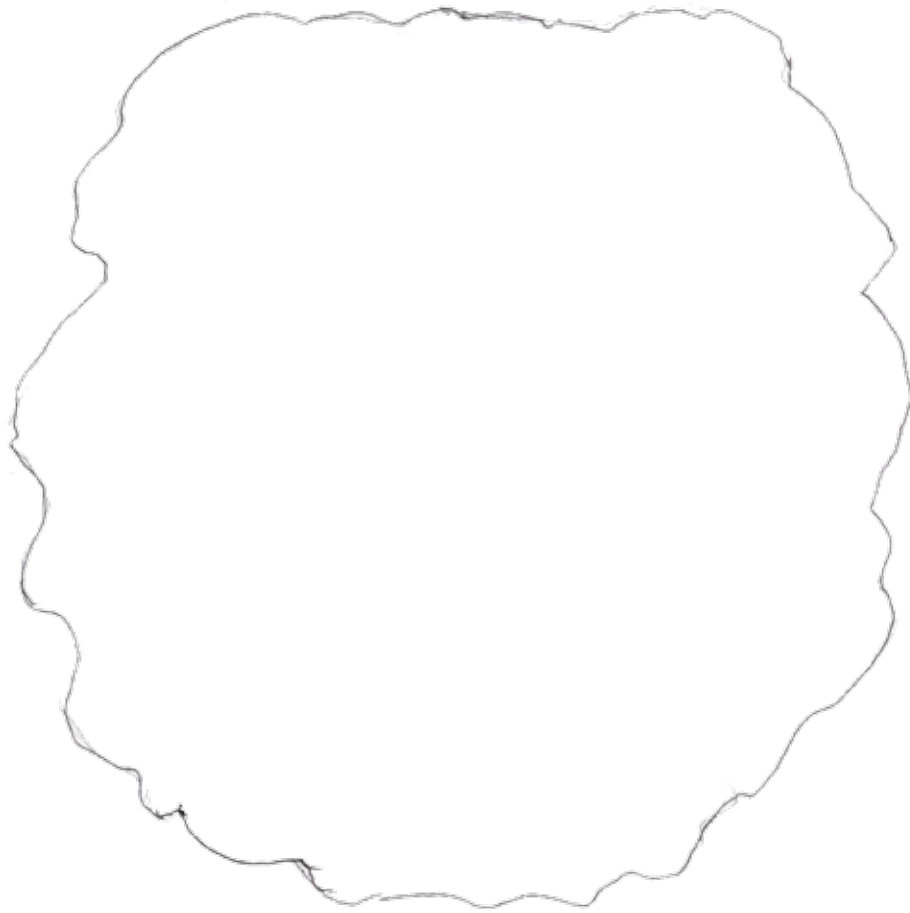
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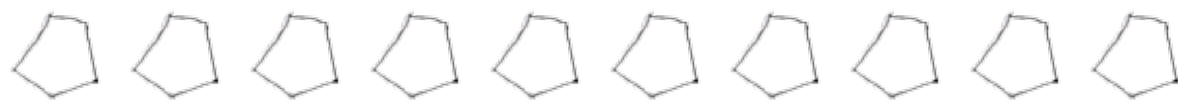
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Cell Membrane - off white

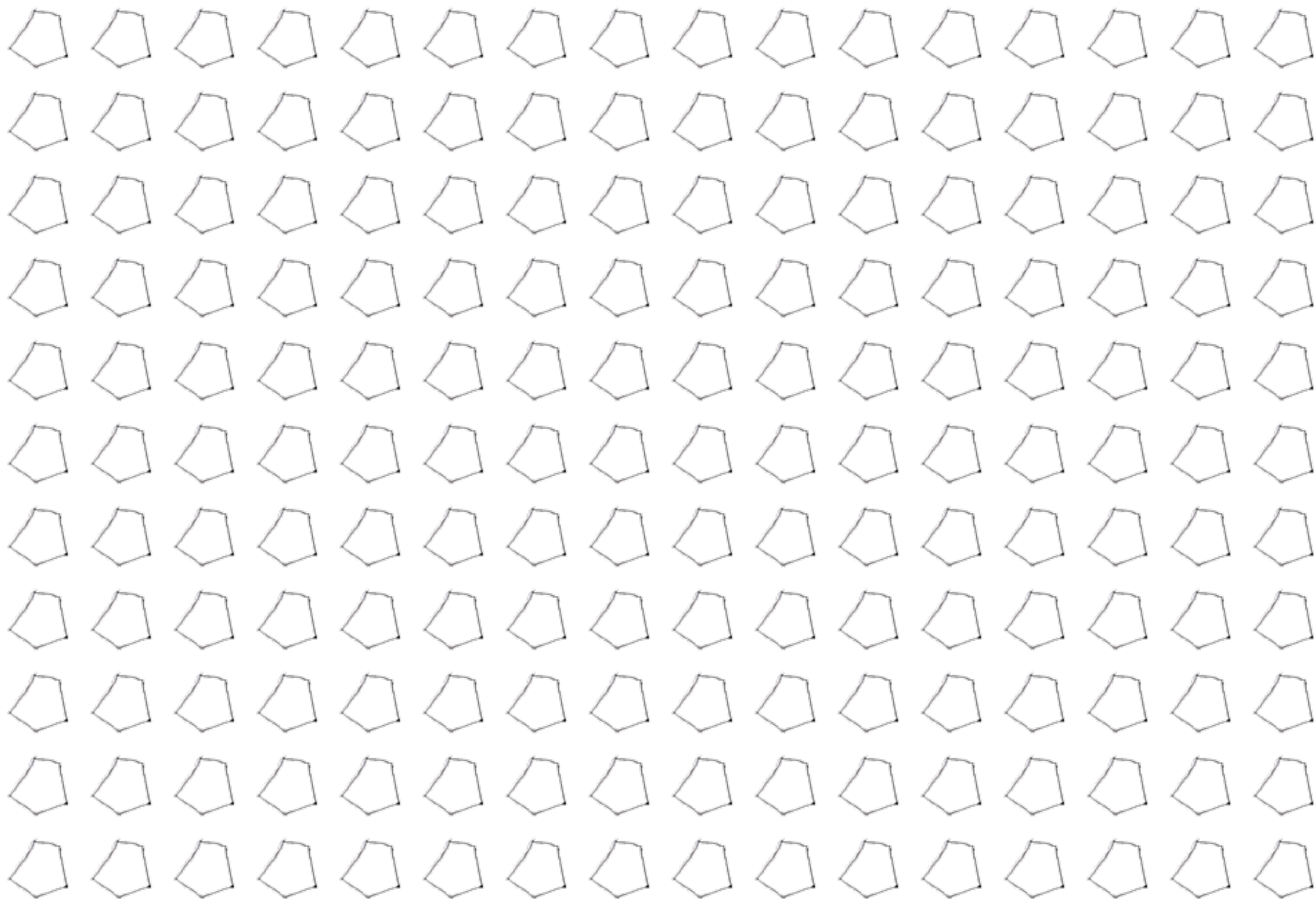


Cytoplasm - red

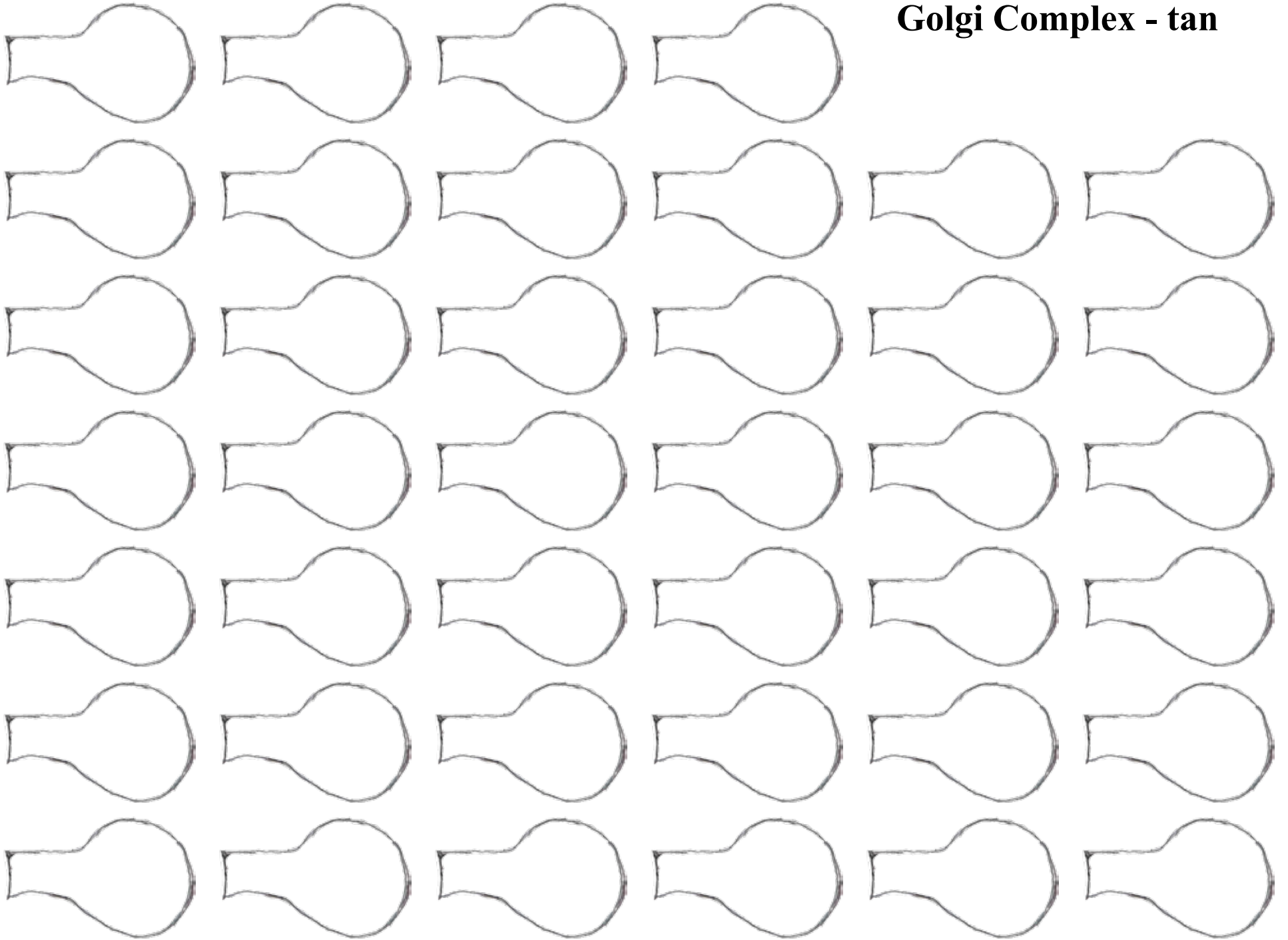




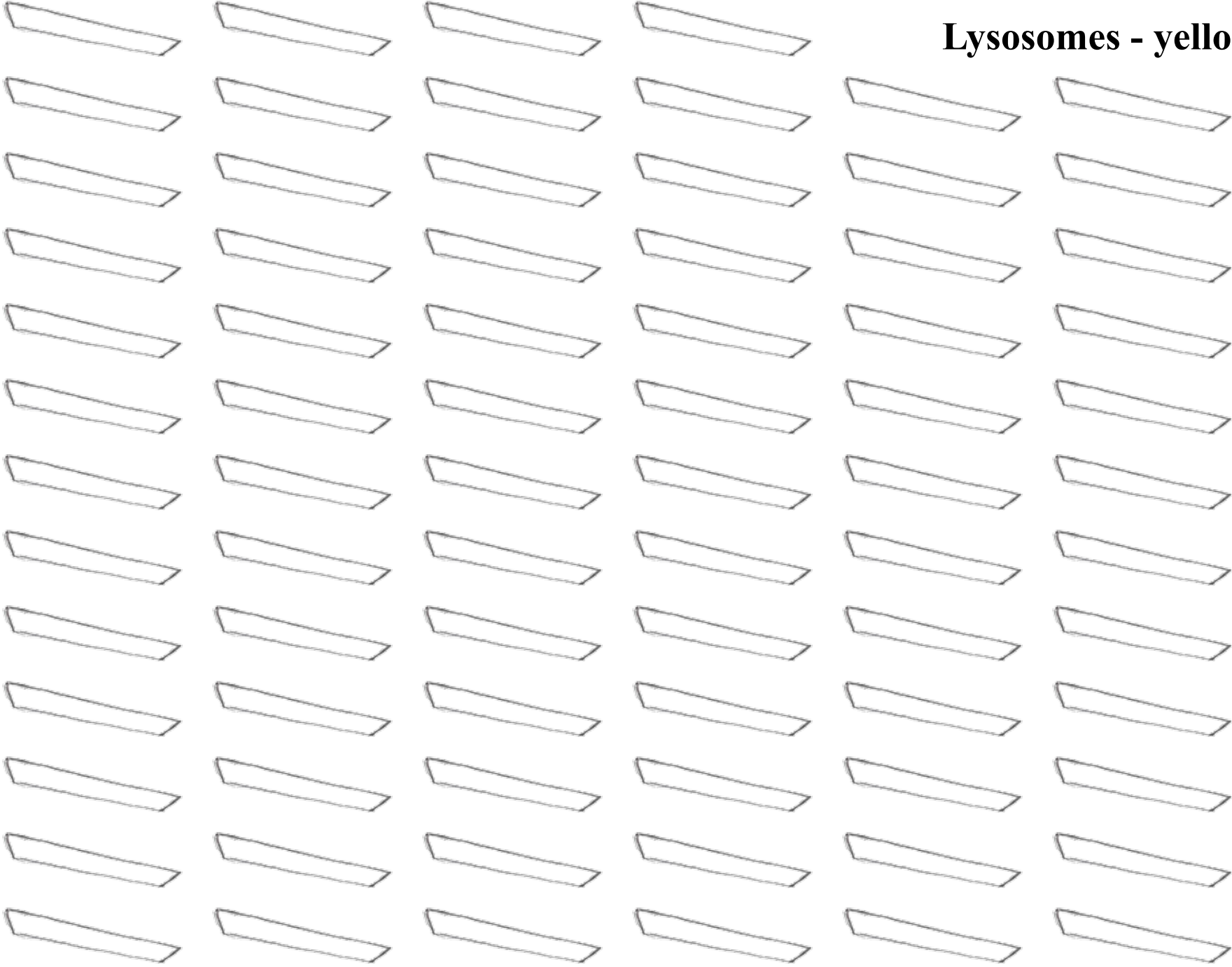
Ribosomes - gray/white



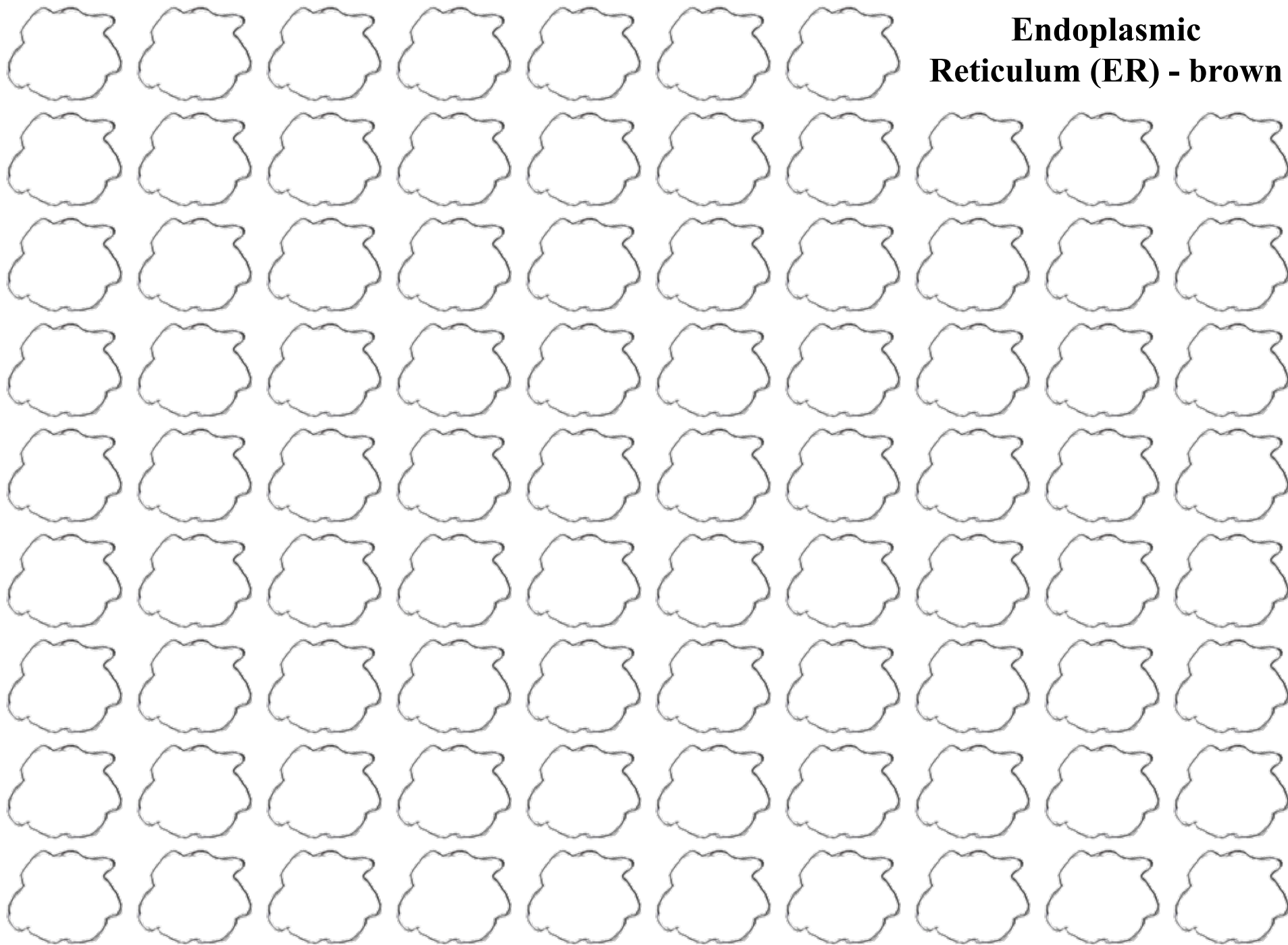
Golgi Complex - tan



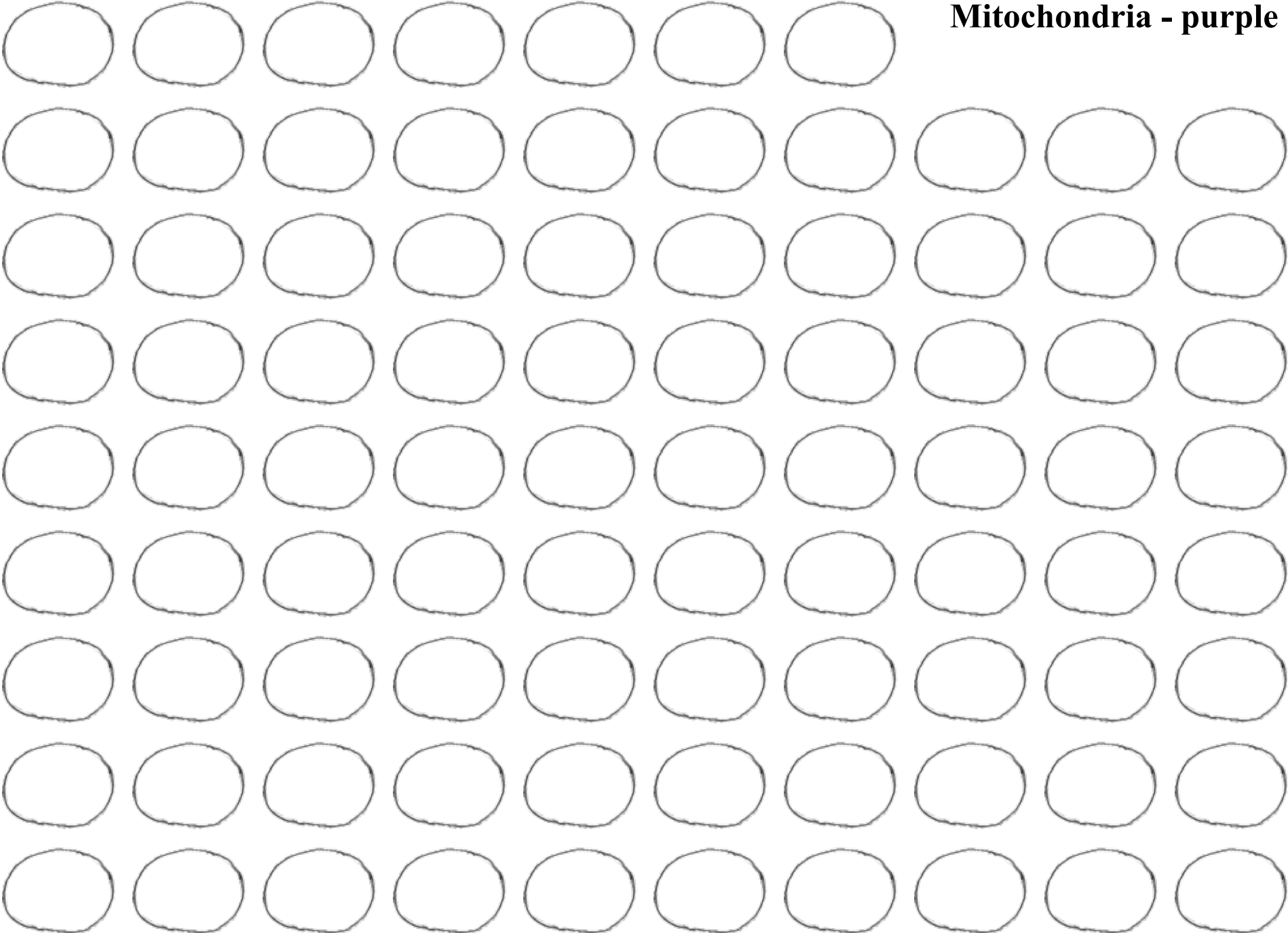
Lysosomes - yellow



**Endoplasmic
Reticulum (ER) - brown**



Mitochondria - purple



Nucleus - DNA - green

