

Manufacturing Group

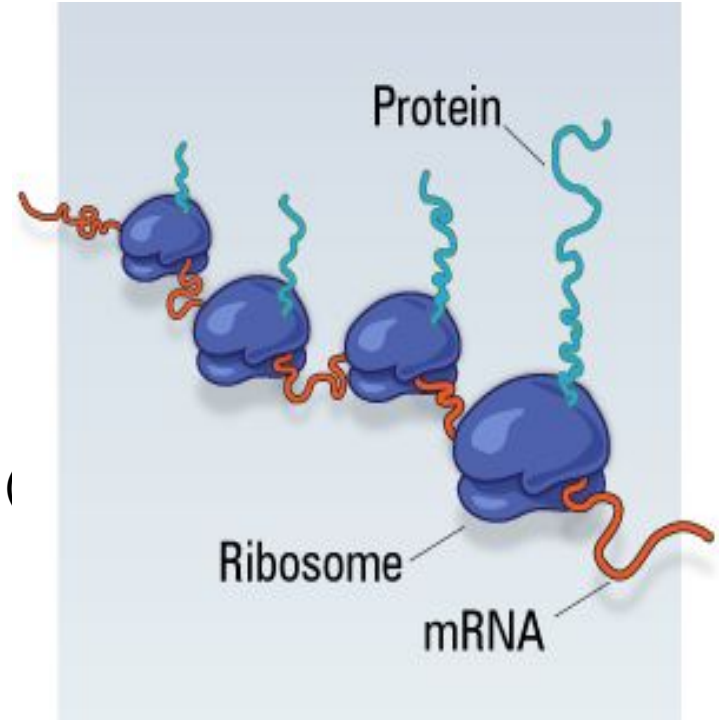
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Johanna, Samantha

Ribosomes

Ribosomes produce proteins by following instructions that come from DNA

- Yes they are present in animal cells
- Yes they are present in plant cells
- Yes they are present in bacteria

Tips and Reminder : ribosomes can be compared as a printing machine because it produces papers (ribosomes produce proteins) and it follows instructions as ribosomes do.

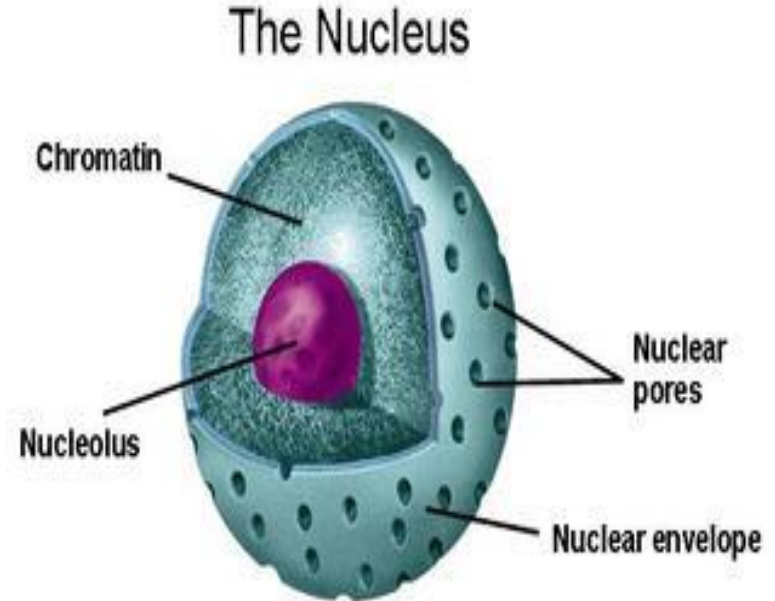


Nucleus

The nucleus is the center of the atom and it controls most cell processes. It is surrounded by the nuclear envelope, which is made up of two membranes.

- The nucleus is present in plant and animal cells.
- The nucleus is not present in bacteria.

Tips and reminders: since the nucleus is the noggin, or brain of the cell.

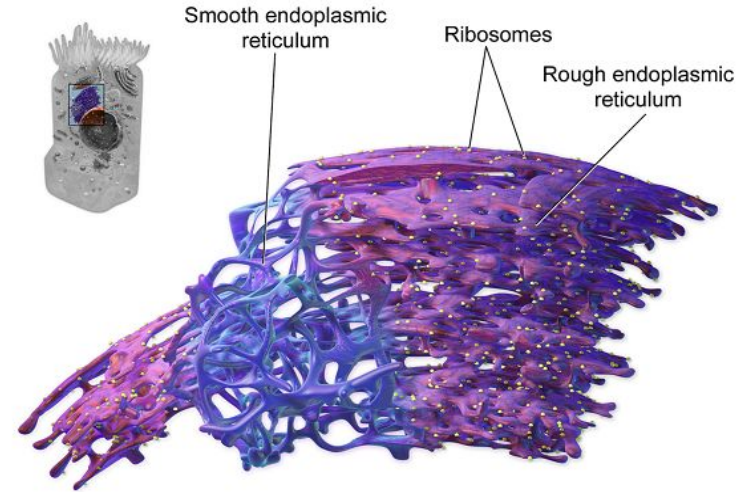


Endoplasmic Reticulum (smooth)

Endoplasmic Reticulum (smooth) make cellular products like hormones and lipids.

- The SER is present in animal cells
- The SER present in plant cells
- The SER is not present in bacteria

Tips and reminders: Long network of a folded, tube-like structure. You can think of it like a pipeline with a lot of twists and turns.



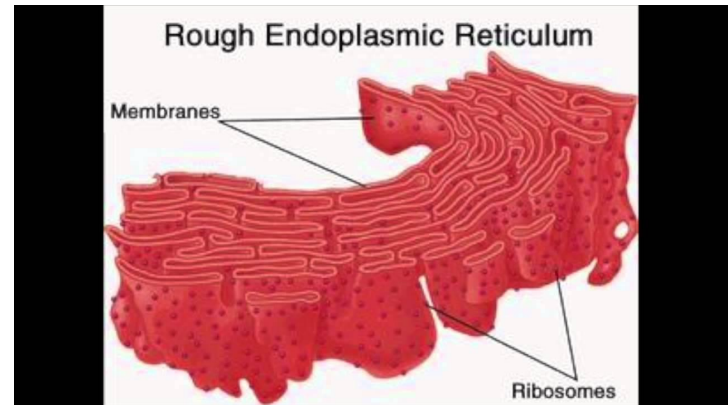
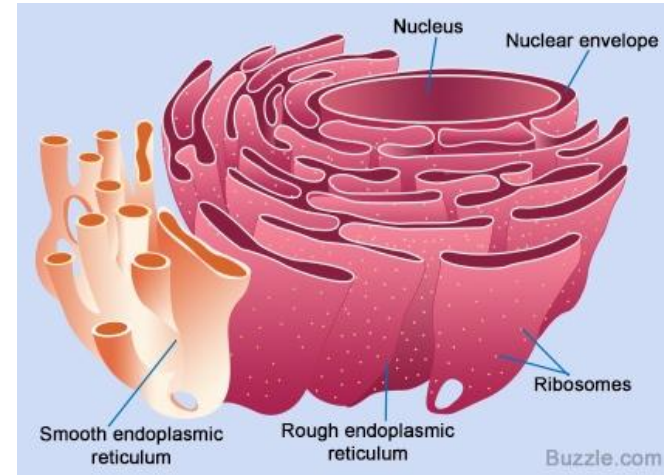
Endoplasmic Reticulum

Endoplasmic Reticulum (rough)

-Endoplasmic Reticulum (rough) assembles proteins and lipids. The RER is very important in the making and packaging of proteins.

- The RER is present in animal cells
- The RER present in plant cells
- The RER is not present in bacteria

Tip and Reminder: Since the RER has ribosomes stuck all over it, it has a bumpy appearance and is therefore called rough endoplasmic reticulum.



Golgi (A,B)

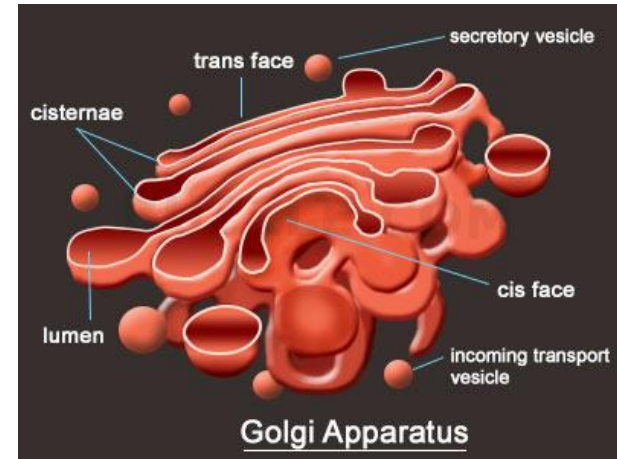
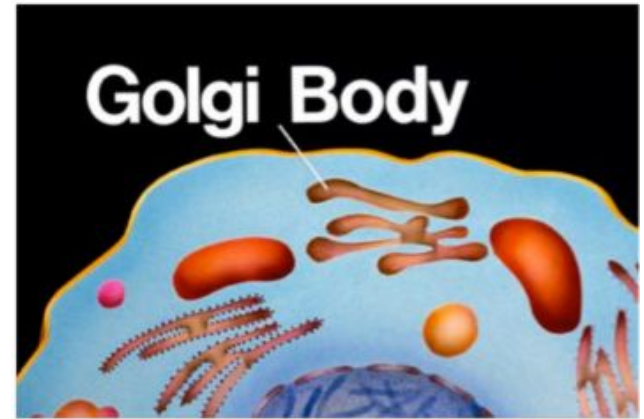
Celine Vaughn

-Golgi (A,B,C)

-Golgi Apparatus: It sorts and packs proteins and transport out of a cell.

-Golgi Body: Also sorts and packs proteins and transport out of a cell.

- The Golgi is present in the animal and plant cell.
- It is not present in the Bacteria
- Tips and reminders: In order for us to remember the Golgi we just think of it as an office since a lot of things seem to happen.

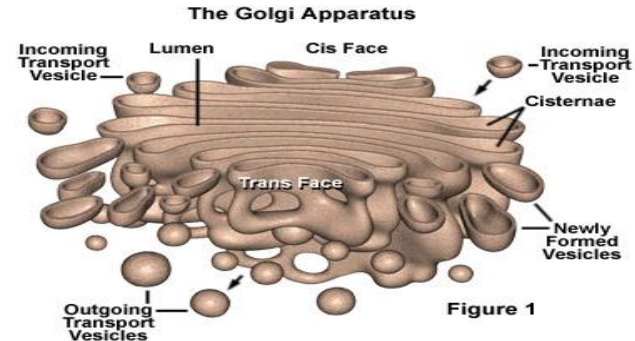
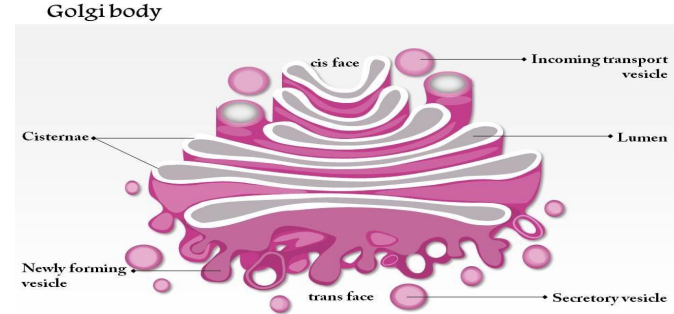


Golgi apparatus, body, complex

The Golgi A,B,C is a function to sort and packed proteins and transport out of a cell.

The Golgi is found: animal cells and plants cells.
But not found in bacteria.

Tips and reminders: to also remember to Golgi you just have to think about of an office and how this is so many things happening in it just like a Golgi.



Nucleolus

Johanna Grullon

- The nucleolus is where the assembly of ribosomes begin. The nucleolus makes ribosomal subunits from proteins and ribosomal RNA. It then sends the subunits out to the rest of the cell where they combine into complete ribosomes. Ribosomes make protein. This why the nucleolus plays a vital role in making proteins in the cell.
- Nucleolus are not found in prokaryotic cells because prokaryotic cells don't have a nucleus.
- They are found in animal cells.They are found in plant cells.
- Tips and Reminders: The nucleolus is a round body located inside the nucleus of a eukaryotic cell. It is not surrounded by a membrane but sits in the nucleus.

Nucleolus

