

Animal Cell Organelles



1. Each cell has a protective, semi-permeable, outer layer called the _____.
2. Inside the cell, the watery medium in which all the organelles float, is called _____.
3. Little grains floating around inside the cell involved in proteins production are called _____.



4. The cell _____ contains our **DNA** with all our genetic information found on 23 paired structures called _____.
5. It is surrounded by a protective _____.



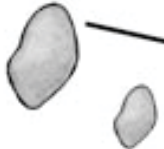
6. _____ is a series of folded membrane pathways spotted with ribosomes. Together they make new proteins and membranes.



7. _____ has no ribosomes on it and forms containers called **transport vesicles** that are used to move things around inside the cell.



8. _____ are package things to be transported out and around the cell.



9. _____ are vesicles with digestive enzymes inside to break down the things the cell no longer needs.



10. _____ are large membranous sacs for storing things. **Vesicles** are smaller sacs.



11. _____ have a double membrane with finger-like _____ and break down sugars to make energy for the cell.

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Mitochondria
lysosomes
bends
cytoplasm

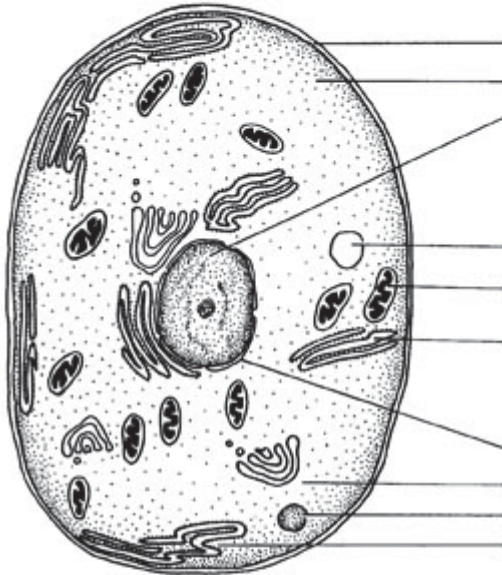
vacuoles
Golgi apparatus
nucleus
ribosomes

smooth endoplasmic reticulum (SER)
rough endoplasmic reticulum (RER)
DNA
chromosomes

cell membrane
nuclear membrane

Organelle

Number the organelles in the cell diagram and then number their descriptions below.



- 1) cytoplasm
- 2) cell membrane (plasma membrane)
- 3) golgi apparatus
- 4) lysosomes
- 5) mitochondria
- 6) nuclear membrane
- 7) nucleus
- 8) ribosomes
- 10) vacuoles

- ___ Each cell has this protective, semipermeable outside layer.
- ___ Inside the cell, this watery medium is where all the organelles float.
- ___ This organelle contains our DNA with all our genetic information.
- ___ The above organelle is surrounded this, which controls what goes in and out.
- ___ These are little grains floating around inside the cell where proteins are made.
- ___ This is made up of folded membrane pathways spotted with the above organelle (little grains).
- ___ These are made up of flat vesicles that package things, like hormones, to leave the cell.
- ___ These are vesicles with digestive enzymes inside that break down things, like bacteria, that the cell doesn't need.
- ___ These are membrane sacs for storing things.
- ___ These have a double membrane that folds in on itself forming little fingers called cristae.
They break down sugar to make ATP, which is used by the cell as energy.