

Which one of the following is the smallest unit showing the properties of life such as capacity for metabolism, response to the environment, growth and reproduction?



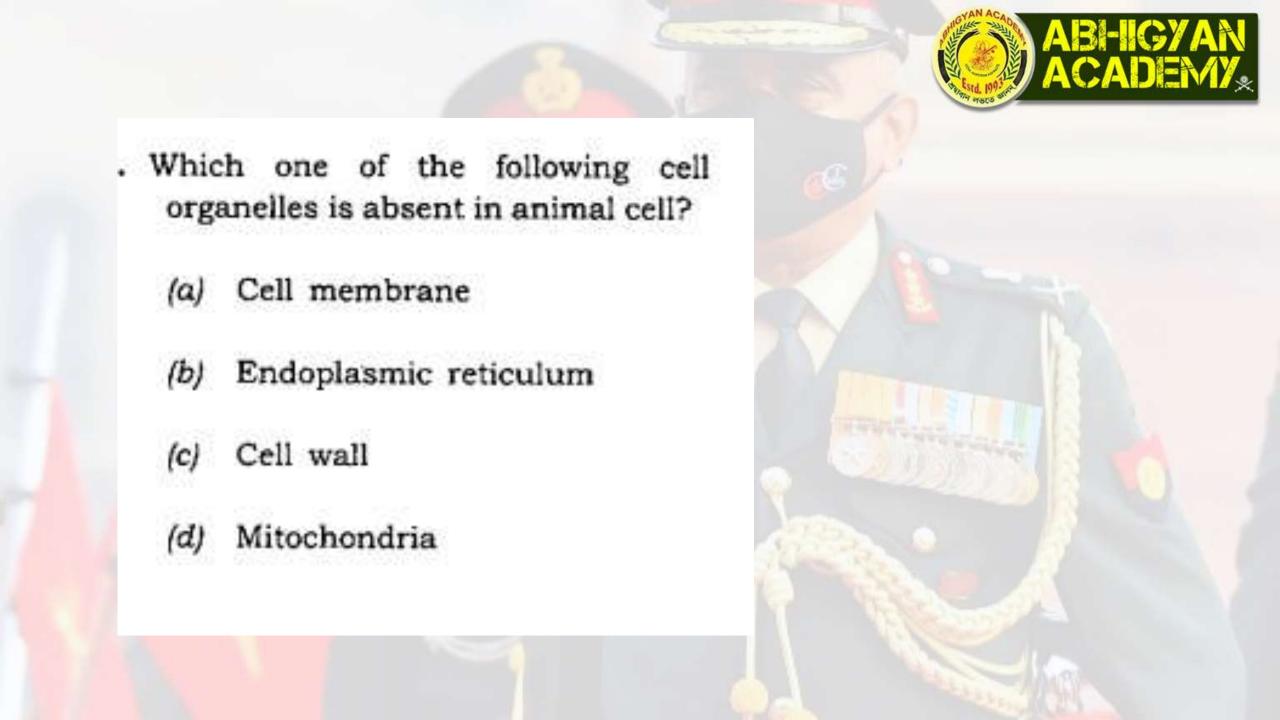
- (b) Chromosome
- (c) Nucleus
- (d) Cell





Eukaryotic cells are much more complex as compared to prokaryotes. Which one of the following structures is exclusively present in a eukaryotic cell?

- (a) Cell wall
- (b) Plasma membrane
- (c) Nucleic acid
- (d) Mitochondria





Which one of the following is not an example of eukaryotic organism?

- (a) Yeast
- (b) Bacteria
- (c) Plant
- (d) Human being

Which one of the following groups of cellular organelles contains DNA?

- (a) Mitochondria, nucleus, chloroplast
- (b) Mitochondria, Golgi bodies, nucleus
- (c) Mitochondria, plasma membrane, nucleus
- (d) Chloroplast, nucleus, ribosomes

One of the additional functions of Smooth Endoplasmic Reticulum (SER) is

- (a) protein synthesis
- (b) lipid synthesis
- (c) storage of biomolecules
- (d) detoxification of toxic substances





Which one of the following statements regarding viruses is **not** true?

- (a) Viruses need living cells to reproduce.
- (b) All viruses are parasites.
- (c) Viruses can synthesize their food through photosynthesis.
- (d) Viruses are similar to chemical substances outside the host.



Which of the following statements regarding animal cell membrane is correct?

- (a) They are composed of phospholipids only.
- (b) They are composed of proteins only.
- (c) They are composed of phospholipids and proteins only.
- (d) They are composed of phospholipids, proteins and cholesterol (lipid).



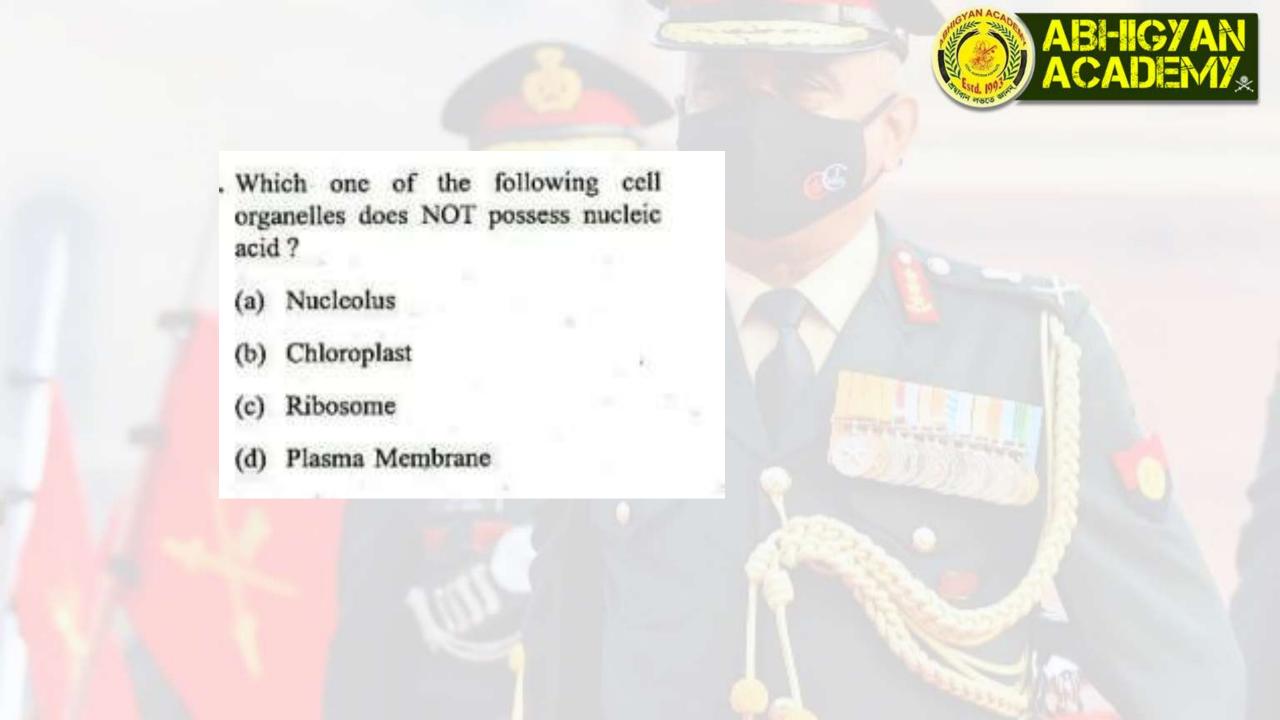
Movement of materials to different parts of cytoplasm and nucleus is generally carried out by

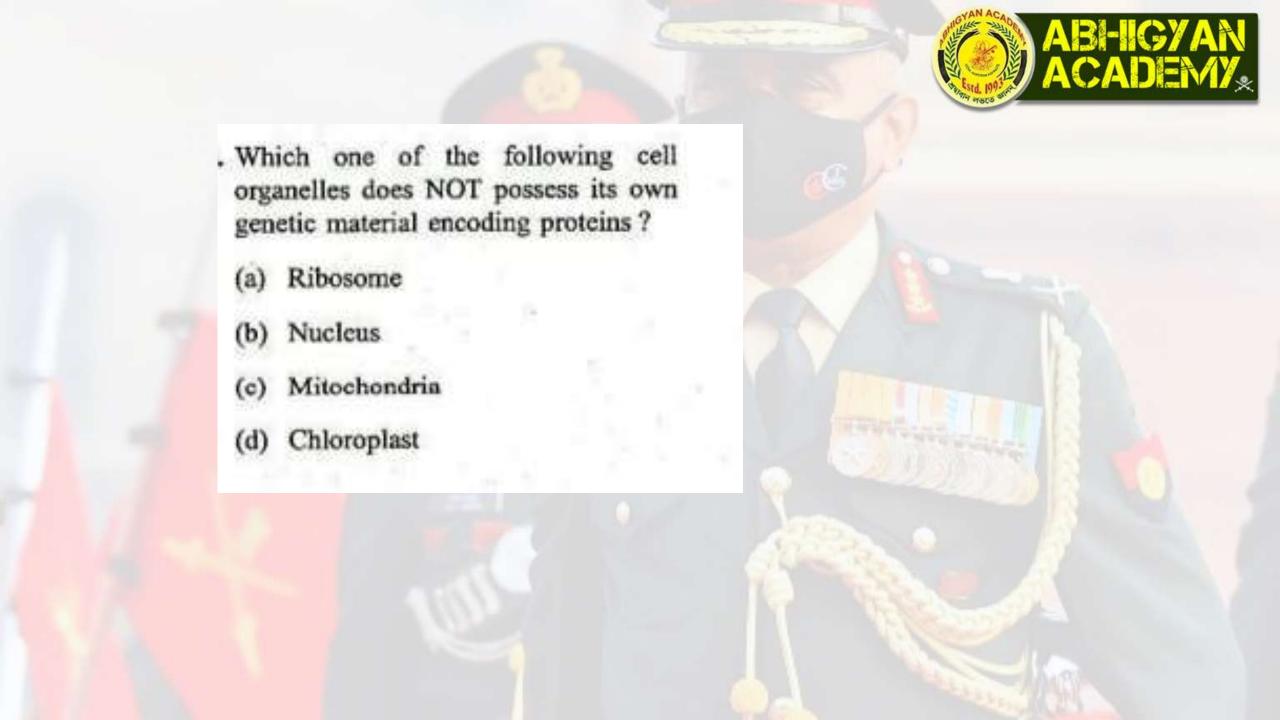
- (a) Ribosomes.
- (b) Mitochondria.
- (c) Lysosomes.
- (d) Endoplasmic reticulum.



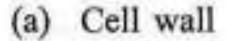
In mitochondria, ATP synthesizing chemical reactions take place in the

- (a) Outer membrane.
- (b) Matrix.
- (c) Inner membrane.
- (d) DNA of mitochondria.





. Which one of the following is an organelle that is NOT found in pro-karyotic cells?



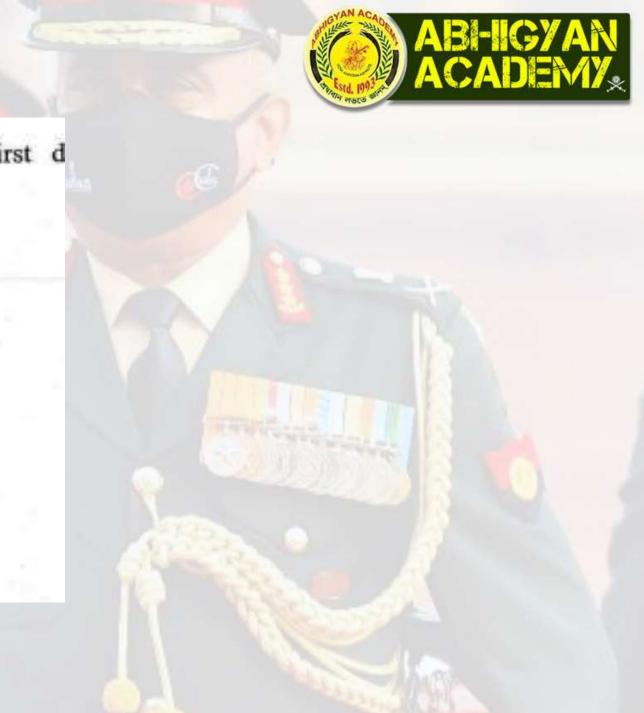
(b) Mitochondria

(c) Plasma membrane

(d) Ribosome







Who among the following first d covered cell?

- (a) Robert Brown
- (b) Robert Hooke
- (c) Leeuwenhoek
- (d) Rudolf Virchow