

Cell : The Unit of Life



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Q1. Inanimate things have

- A. One cell α
- B. Two cells α
- C. Can have or multiple cells α
- D. No cell α

nonliving thing \rightarrow cell \rightarrow zero

Q2. Which of the following is true?

A. Most of the organisms have single cell in their bodies. (F) *many cells*

B. Robert Hook was the first person to describe a living cell (F)

C. Both

D. None *A. V. Leeuwenhoek*

organisms $\left\{ \begin{array}{l} \text{single celled} \rightarrow \\ \text{or} \\ \text{unicellular} \\ \text{multi cellular} \\ \text{(mostly)} \end{array} \right.$

Q3. The detailed study of cell can be done by using which microscope?

- A. Simple light microscope
- B. Compound light microscope
- ☒ C. Electron microscope
- D. All of these

Q4. Matthias Schleiden was

A. British zoologist

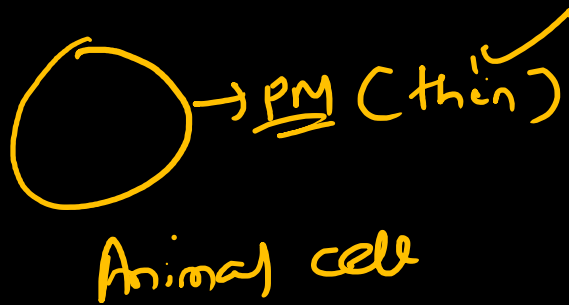
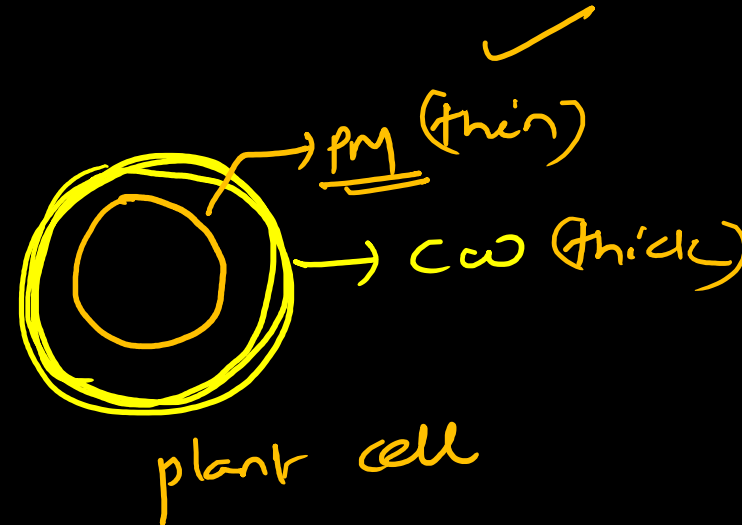
B. German botanist

C. British botanist

D. German ~~zoologist~~

Q5. Plasmambrane is

- A. Thick ✗
- B. ✓ Thin
- C. Rigid ✗
- D. Both B and C



Q6. Presence of is a unique character of plant cells

- A. Nucleus .
- B. Centriole α
- ☒ C. Cell wall
- D. Peroxisome

	<u>plant cell</u>	<u>Animal cell</u>
Nucleus	+	+
centriole	-	+
CW	+	-
peroxisome	+	+

Q7. Which of the following represents a typical plant cell?

A. Sieve tube cell

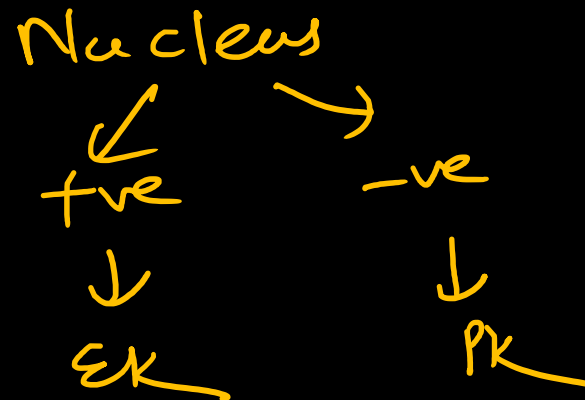
B. Tracheid ✗

C. Onion peel cell

D. All of the above

Nucleus -ve / Golgi body -ve

- Q8.** Which of the following is true about nucleus?
- A. Found in some advanced prokaryotes ✗
 - B. Dense in nature (T)
 - C. Contains chromosomes in genetic material ✗
 - D. All of the above



Q9. Which of the cell is round and oval?

- A. ✓ Mesophyll cell → round oval
- B. Tracheid → elongated
- C. RBC → round, biconcave
- D. WBC → amoeboid

Q10. What is the size of the smallest cells in micrometer?

☒ A. 0.3

B. 0.4

C. 1.0

D. 3.0

↳ mycoplasma

↳ 0.3 μ m (length)

Q11. Who gave final shape to cell theory?

- A. Virchow
- B. Schwann
- C. Scheiden
- D. Leeuwenhoek

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Q12. Which of the following is largest isolated cell?

- A. Neuron
 - ☒ B. Ostrich egg
 - C. WBC
 - D. None
- neuron cell → longest cell*
not isolated

Q13. Membrane bound organelles are absent in

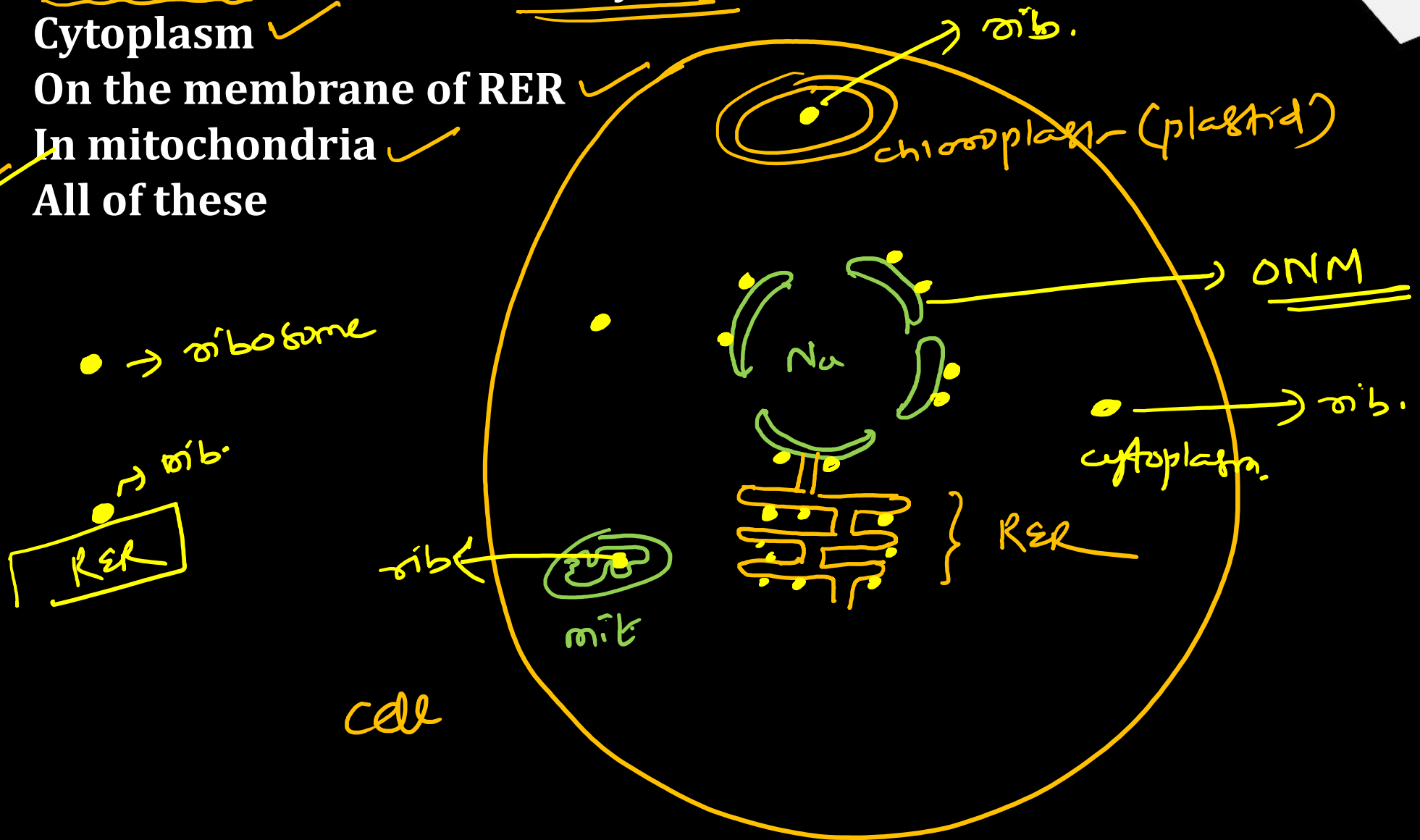
- A. Prokaryotes
- B. Eukaryotes
- C. Yeast
- D. Fungi

} EK

↳ +ve → EK cell
↳ -ve → PK cell.

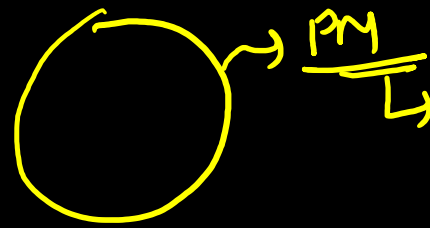
Q14. Ribosome is found in eukaryotic cells in

- A. Cytoplasm ✓
- B. On the membrane of RER ✓
- C. In mitochondria ✓
- D. All of these** ✓



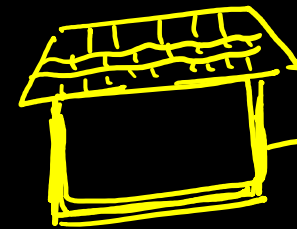
Q15. Which of the following forms the outer delimiting boundary in animal cells?

- ☒ A. Plasmambrane
- B. Cell wall
- C. Nuclear membrane
- D. None



animal cell

delimiting
boundary



wall
↓
delimiting
boundary of
house

Thank You बच्चों

