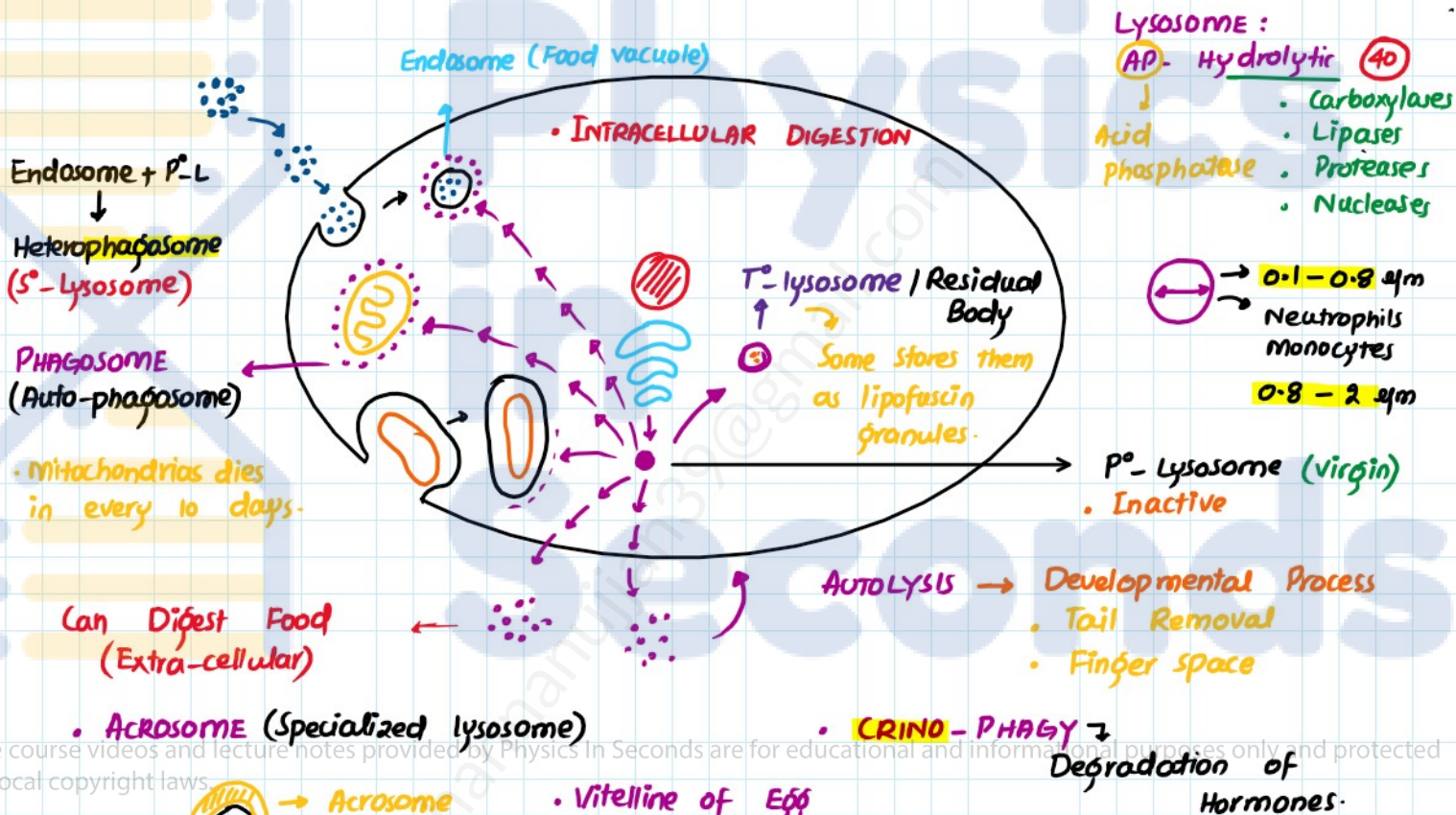


12.8 Lysosomes

Cytoplasmic Organelle → **LYSO-SOME** → Polymorphic Organelle (Different Shape)

Splitting Body

- Animal Cells → lysosomes ↑↑ (Phagocytic cells) No. of lysosome ↑↑
- Plant Cells → vacuole mimics action of lysosome
- RBC → Lysosomes absent
- Bacterial cell → Periplasmic space that acts as lysosome.
- De-Duve → 1949



"The course videos and lecture notes provided by Physics In Seconds are for educational and informational purposes only and protected by local copyright laws.

Unauthorised reproduction or distribution is strictly prohibited. By accessing and using these materials, you agree to use them solely for personal, non-commercial use and will not hold the copyright holder liable for any damages.

By accessing and using the materials, you also agree to the following copyright notice:

- **STORAGE DISEASES** → 20
- **GLYCOGEN STORAGE DISEASE (GSD)**
(Glycogenesis - II) → Absence of D-glycosidase
- **LETHAL MUTATIONS**
(Tay Sachs Disease) → Absence of β-hexosaminidase

Fat Deposition → Brain ↑↑

- Mental Retardation
- Blindness
- Paralysis
- Eventually Death

