

Examrace

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Competitive Exams: Miscellaneous Information in Biology

RQ = CO₂/O₂

- Carboxylic Acid – More than 1
- Carbohydrate – 1
- Herbivore – 0.96
- Protein – 0.8-0.9
- Fat – 0.7
- Mixed diet – 0.85
- Omnivore – 0.8
- Carnivore – 0.675
- Succulents – Zero (night) more than 1 (day)
- Anaerobic respiration - infinity
- Flag effect – tundra plant
- NO₂– (nitrite) prevent growth of organism Causing botulism
- Cosmolozoic theory – Richter
- Cosmic Pansperming Theory – Arrhenius
- Oparin (Russian) – ‘Origin of life’
- Haldane – hot dilute soup of organic substances

Excretory Organ

- Arachnida – Coxal gland
- Pigeon – Hypoxanthin
- Hame cell – planaria
- Green glands – prawn
- Bird – Omithic Acid
- Spider – Guanine

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- Terrestrial – Urea
- Bird/reptile – uric acid
- Aquatic – ammonia

Modifications in Leaf Structure

- Phylloclade – stem – Leaf (opuntia)
- Phyllode – petiole – leaf e.g. *Acacia auriculiformis*
- Cladode – Rescue, asparagus internode

Reversible Inhibitors

- Carbamates
- Physostigmine
- Neo quinine
- Edrophonium
- Acridine
- Tacrine

Irreversible Inhibitors

- Organophosphate
- DFP
- Parathion
- Malathion
- Echothiophate
- Tabum(nerve agent)
- Sarin(nerve agent)
- Soman(nerve agent)
- Carbamates
- Carbaryl (Sevin)
- Proporam(Baygon)