

Ethology

V Semester B.Sc. Zoology – Core Course VII

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SOCIAL BIOLOGY



BASIC FEATURES

- COMMUNICATION
- DIVISION OF LABOUR
- PERMANENCE

BEHAVIOUR PATTERNS OF SOCIAL ORGANIZATIONS

- CO – OPERATION
- TERRITORIALITY
- DOMINANCE HIERARCHIES
- LEADERSHIP
- PARENTAL CARE
- MUTUAL STIMULATION

ADVANTAGES

- MUTUAL VIGILANCE
- COLLECTIVE DEFENCE
- GUARDING BEHAVIOUR
- FOOD COLLECTING EFFICIENCY
- TOLERANCE TO CLIMATIC EXTREMES
- SEXUAL REPRODUCTION
- COMMUNICATION EFFICIENCY

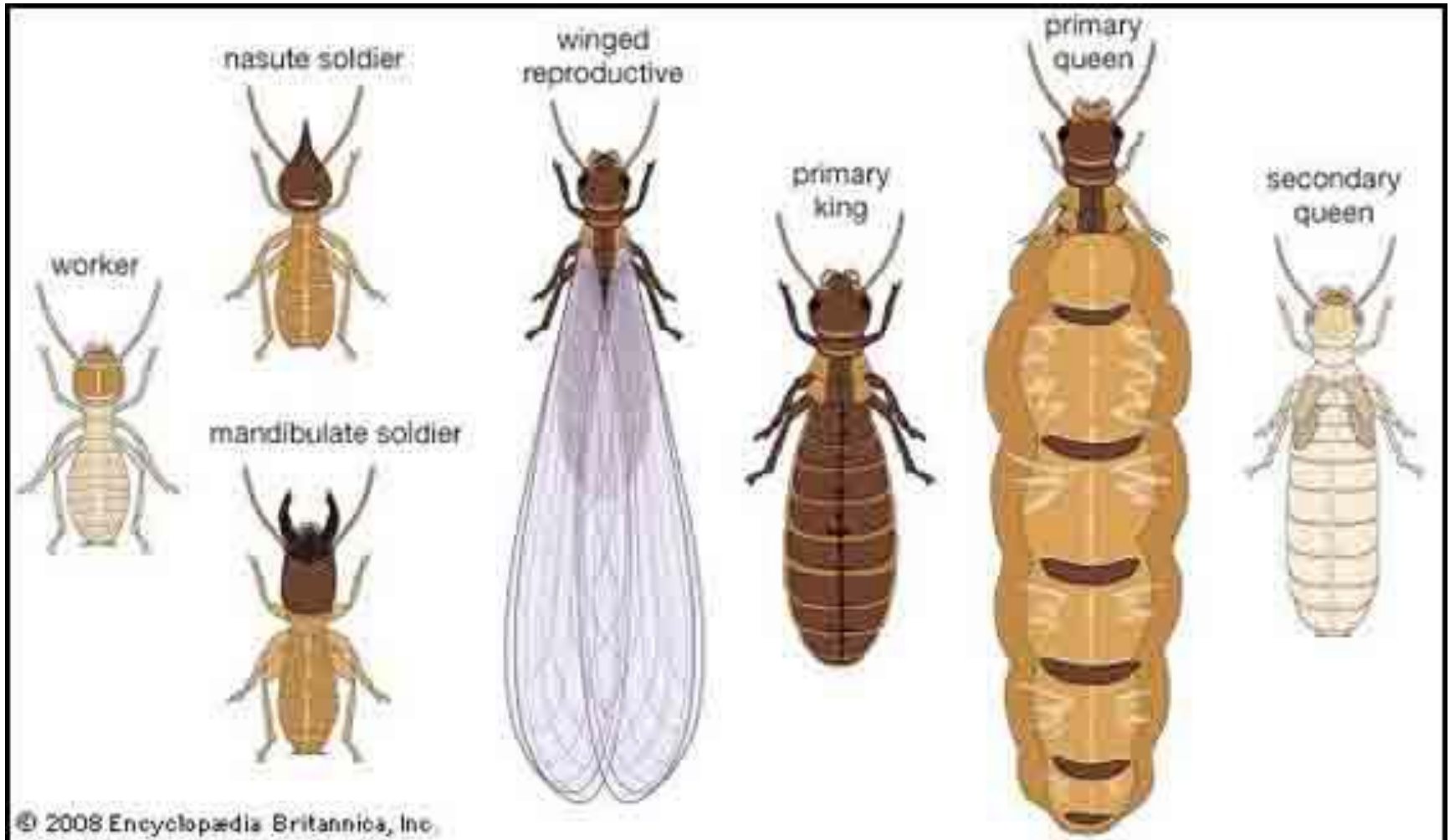
DISADVANTAGES

- INTRASPECIFIC COMPETITION
- ATTRACTS PREDATORS
- SPREADING OF DISEASES
- FREQUENY OF INBREEDING
- ACCUMULATION OF WASTES & POLLUTION

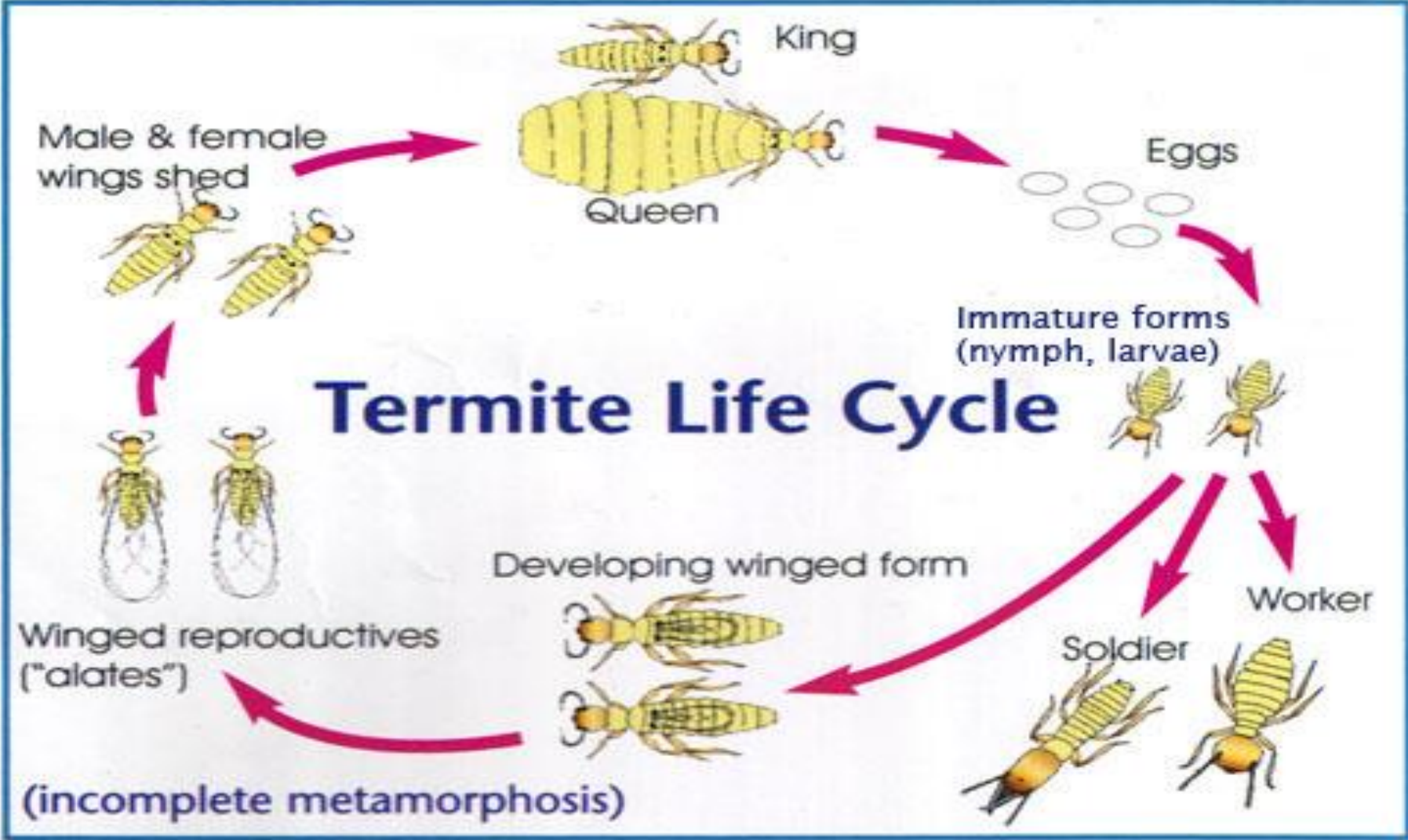
TERMITARIA



TERMITE COLONY



TERMITES



ELEPHANTS



ELEPHANTS





THANK YOU