

Characteristics and classification of living organisms

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Seven characteristics

Movement Respiration Sensitivity Growth

Reproduction, excretion, nutrition

MRS GREN

Species

Fertile offspring Mule is sterile

Binomial system

Genus then species International

Dichotomous keys

Paired statements Observable features

Classification and evolution **Supplement**

Common ancestor DNA base sequences More similar = closer

Features of organisms

Animals and plants

Cell walls Chloroplasts Nutrition

Vertebrates (five groups)

Mammals, birds Reptiles, amphibians Fish

Arthropods

Myriapods Insects Arachnids Crustaceans

Five kingdoms **Supplement**

Fungus Prokaryote Protoctist

Ferns and flowering plants **Supplement**

Fronds and spores Monocots Dicots

Viruses **Supplement**

Protein coat Genetic material