Read Sheet

The Five Kingdoms of Organisms

The **different characteristics** of organisms allow them to be classified into **5 kingdoms**.

Plant Kingdom takes in Sun light — Make own food

Plants contain **chlorophyll** and are **autotrophs** because they make their own food by **photosynthesis**. Plants are also **multicellular** (made of many cells) and have **rigid cell walls** made of cellulose.

Animal Kingdom

Animals are **multicellular,** but **don't** have cell walls or chlorophyll. Animals are heterotrophs because they **can't make** their own **food**. They get their food by **moving around** and **eating** and **digesting** other organisms.

Fungi Kingdom

Fungi are **multicellular**, have a **cell wall**, but **don't** have chlorophyll. Fungi are **saprophytes** and they feed on **dead** and **decaying** organisms, which they **digest outside** the body.

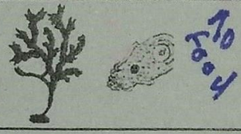
Protoctist Kingdom

Protoctists are **unicellular** (single cell) and have a **nucleus**.

Prokaryotes Kingdom

Prokaryotes are also **unicellular**. There cell structure is very simple and they **don't have a nucleus**, e.g. ***bacteria.***

Yeast has one cell

Kingdom	Main characteristics
Animalia  No Make own food	multicellular; heterotrophic feeders so no chlorophyll; no cell walls; complex cell structure with nucleus
Plantae 	multicellular; autotrophic feeders using chlorophyll; cell walls made of cellulose; complex cell structure with nucleus
Fungi  Yes Food	multicellular; cell walls not made of cellulose; saprophytic feeders so no chlorophyll; complex cell structure with nucleus
Protoctista  No Food	mostly unicellular (a few are multicellular); complex cell structure with nucleus
Prokaryotae  No Food	unicellular; simple cell structure with no nucleus

C *The main characteristics of organisms in the five kingdoms.*

Viruses don't belong to any kingdom and are regarded as **non-living**. They show no life processes su **growth, respiration** or **feeding**. Viruses **reproduce** by instructing the cells they invade to make **copi** them – this is neither asexual nor sexual reproduction.