



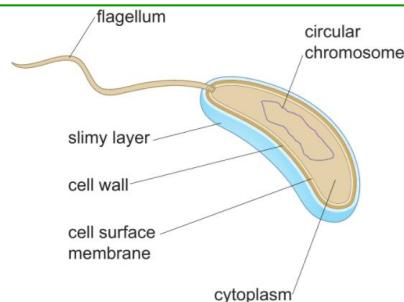
8D Unicellular Organisms

1. Unicellular or Multicellular	
Cells	The basic unit of life. All organisms are made up of cells.
Unicellular	An organism made up of one cell.
Microorganisms	Organisms that are so small they can only be seen with a microscope.
Multicellular	An organisms made of many cells.
Prokaryotes	Unicellular organisms that do not have a nucleus.
Protoctists	Mainly unicellular organisms. All have a nucleus.
Fungi	Mainly multicellular organisms that do not make their own food and have a nucleus.
Plants	Multicellular organisms that have a nucleus and make their own food.

Animals	Multicellular organisms that have a nucleus, do not make their own food and do not have a cell wall.
Bacteria	A type of microorganisms in the prokaryote kingdom.

2. Microscopic Fungi	
Asexual Reproduction	Producing new organisms from one parent only.
Budding	Type of asexual reproduction used by fungi in which a small new cell grows out from a parent cell.
Aerobic Respiration	$\text{Glucose} + \text{oxygen} \rightarrow \text{carbon dioxide} + \text{water}$
Anaerobic Respiration	A type of respiration which does not require oxygen.
Fermentation	The anaerobic respiration of microorganisms. $\text{Glucose} \rightarrow \text{carbon dioxide} + \text{water}$

Population	The number of a certain organism found in a certain area.
Limiting Factor	Something that stops a population growing.

3. Bacteria	
Bacteria cell	
Flagella	A tail-like structure that rotates, allowing a unicellular organism to move.

4. Prototists	
Algae	A type of prototist that uses photosynthesis.
Photosynthesis	$\text{Carbon dioxide} + \text{water} \rightarrow \text{glucose} + \text{oxygen}$
Chloroplast	Found in plant and some prototist cells- the site of food production through photosynthesis.

Chlorophyll	The green substance inside chloroplasts that absorbs light.
Producers	Organisms that are able to make their own food- always the start of a food chain.
Food Chains	A way of showing what eats what in an ecosystem.
Energy Transfer	Represented by an arrow on a food chain diagram.

5. Decomposers & Carbon	
Ecosystem	All the physical environmental factors and all the organisms that are found in a habitat.
Decomposers	Organisms that feed on dead organisms or animal waste which allows substances to be recycled.
Decay	The breakdown of dead organisms or animal waste.
Carbon Cycle	Shows how carbon compounds are recycled in an ecosystem.

