



Tikrit University
College of Veterinary Medicine

Lect.4: biology

Subject name:Amoeba

Subject year:First stage

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SCAN ME

Lecturers link

Class: Sarcodina

Genus: *Amoeba*

Amoeba is a genus of protozoa that moves by means of temporary projections called pseudopods, consider as unicellular organism

they are found in sluggish waters all over the world, both fresh and salt

soils and as parasites and Some can even live in the bodies of animals the *amoeba* is Greek word meaning (change).

*The nutrition

Amoeba eats [algae](#), bacteria, other protozoan tiny particles of dead plant or animal matter. the cytoplasm secretes enzymes into the food vacuole. the enzymes digest the soft parts of the prey and the soluble products are absorbed back into the cytoplasm .They spend most of their time attached to the bottom or to plants. Sometimes they float freely in the water. Animals that eat *amoeba* include [plankton](#) feeders, such as mussels and water fleas.

*The reproduction

Amoeba reproduce by a process called **binary fission**. This means that one *Amoeba* can split in half and make two identical new *Amoebas*.

1. *Amoeba* stops moving and rounds off
2. The nucleus begins to divide.
3. The nucleus has divided and the cytoplasm starts to constrict.
- 4 & 5 the constriction continues to divide the cytoplasm.

