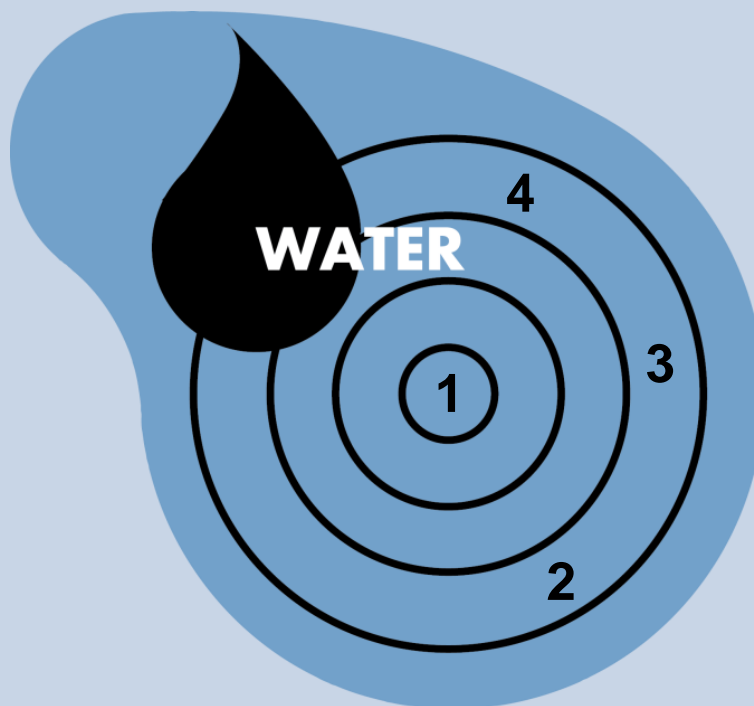




SCULPTURE LEARNING PLAZA



- 1 Water drop
- 2 Amoeba (Genus *Amoeba*) 3,000x
- 3 Vorticella (Genus *Vorticella*) 4,500x
- 4 Stentor (Genus *Stentor*) 300x

Sculpture scale is noted in red text.




SCULPTURE LEARNING PLAZA



Water Words

*The word “water” appears in this zone in 40 different languages!
How many do you recognize?*

Arabic	ماء
Bengali	পানি
Binary	01110111 01100001 01110100 01100101 01110010
Chinese	水
Czech	voda
Dutch	water
English	water
Filipino/Tagalog	tubig
Finnish	vesi
French	eau
German	wasser
Greek	νερό
Hebrew	מ'ם
Hieroglyphics	
Hindi	वाटर
Hungarian	víz
Irish (Gaelic)	uisce
Italian	acqua
Japanese	水
Klingon	biQ
Korean	물
Latin	aqua
Norwegian	vann
Ohlone / Coast Miwok	liwa
Ojibwe	nibi
Persian	آب
Polish	woda
Portuguese (Brazil)	água
Punjabi	ਜਲ
Russian	вода
Samoan	vai
Spanish	agua
Swahili	maji
Swedish	vatten
Turkish	su
Urdu	پانی
Vietnamese	nước
Yoruba	omi

Amoeba

Genus *Amoeba*



Form and function:

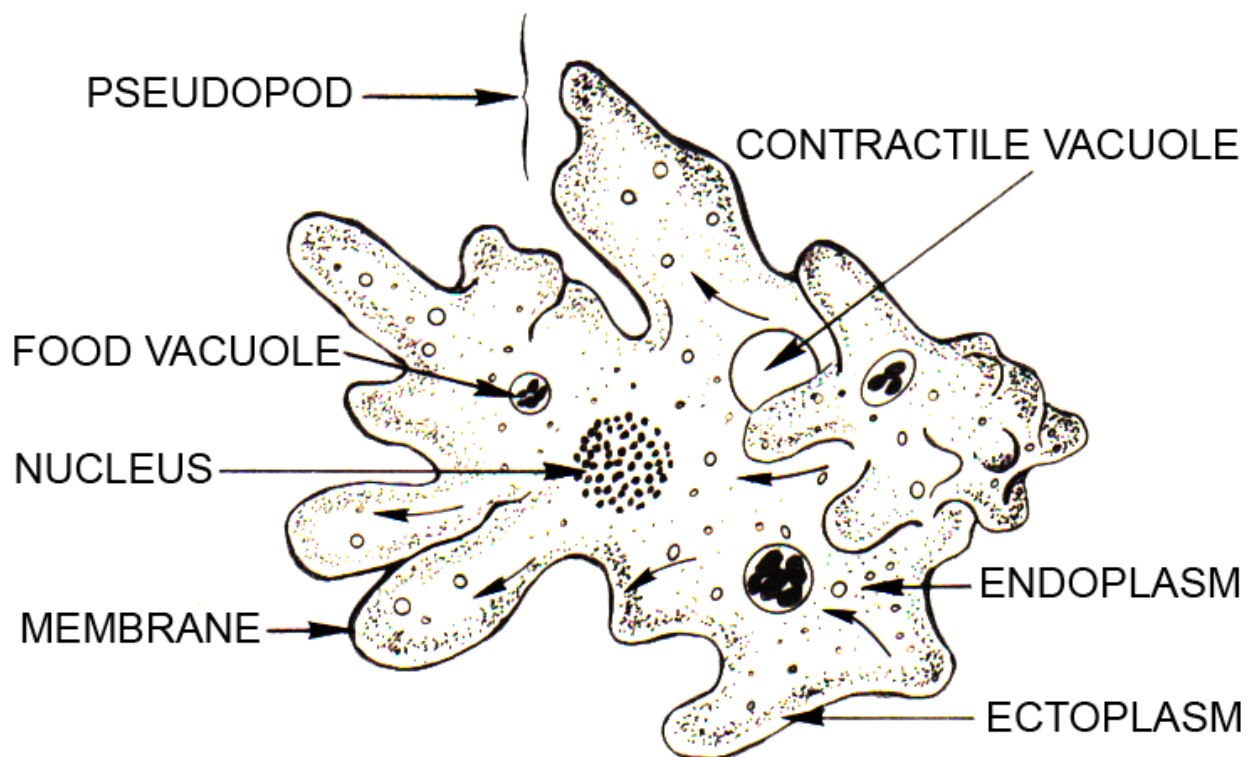
- Single-celled, shape-shifting, free-living microorganism.
- Found most commonly in freshwater on decaying vegetation.
- “Amoeba” comes from the Greek word for “change” and refers to a particular genus *or* any organism with a similar appearance.

Fascinating facts:

- They can move or change shape by projections of their cytoplasm called pseudopodia (false feet).
- In tough conditions they can surround themselves with a hard, protective coating called a “cyst.”

Can you find?...

- Another organism that can change its appearance or shape?



Vorticella

Genus *Vorticella*



Form and function:

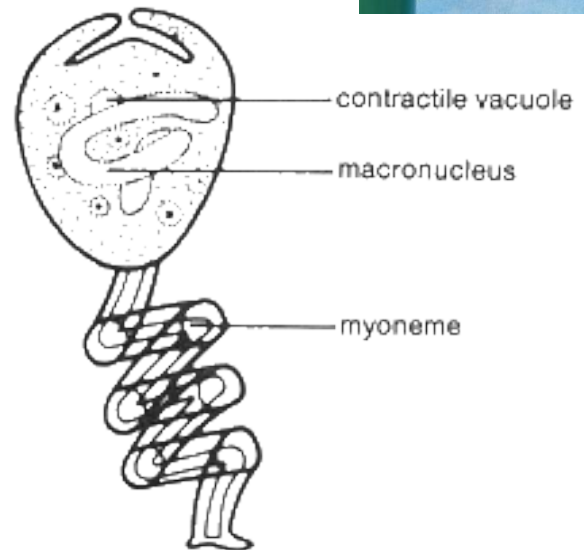
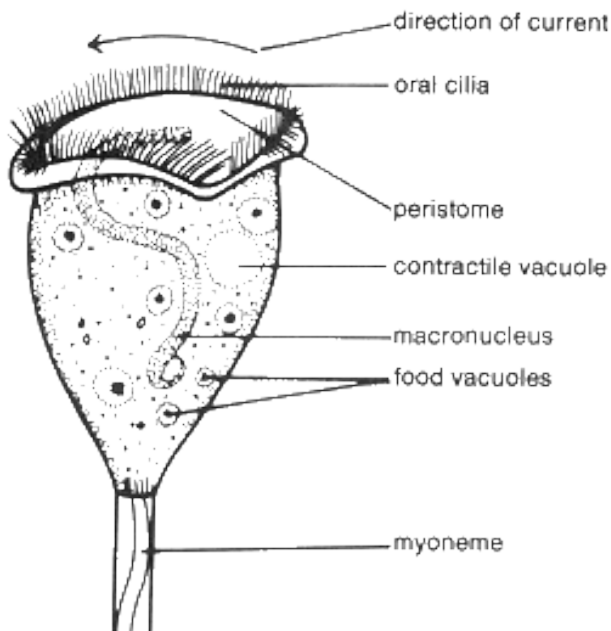
- Single-celled, stalked, bell-shaped microorganism.
- Live in fresh or salt water attached to aquatic plants, surface scum, submerged objects, or aquatic animals.
- Congregate in large colonies, but each vorticella stays independent.

Fascinating facts:

- They have cilia on their oral end and a contracting stalk on the other.
- The stalk contracts in a corkscrew shape as a defense mechanism.
- Vorticella feed on bacteria and small protozoans.
- If food is scarce, they can detach themselves to find a new location.

Can you find?...

- Another microorganism with a stalk and a bell?



Stentor

Genus *Stentor*

Form and function:

- Single-celled, trumpet-shaped, uniformly ciliated microorganisms.
- One of the largest protozoa at 2mm – visible to the naked eye.
- Live in freshwater, free-swimming or attached to submerged vegetation.

Fascinating facts:

- They change into an oval or pear shape when swimming.
- Cilia leads food into the mouth opening.
- A small fragment of a stentor, less than one-hundredth of the volume of an adult, can grow back into a complete organism.

Can you find?...

- Another organism that clings to a surface?
- Another organism that can regenerate part of its body?

