

Nov 20, 2024

Science (Bio)

- Stentor - a genus of single celled Eukaryotes.
 - large (up to 4mm long.)
- Biggest tardigrade up to 1.5mm.
- Stentors are denser than water. - can stretch a lot too. Also able to anchor.
- Stentor Coeruleus can be as big as a grain of rice.
- ↑
- Part of a group called ciliates, and have a mouth.
- Stentor Coeruleus can regenerate, and feel stimuli.
- Macronucleus and cell membrane are needed if a stentor can regenerate.
- Genes are the instructions for particular traits.
- Genome are: all of your genes
- Polyploid - even a fraction can rebuild itself.
- Whole regen process takes about 48 hours to complete.
- Stentor hates the light. They are blue because of a chemical within them.
- Rotifer - multi cellular creature. (Found in muddy water)
- A type of Invertebrate (no backbone)
- The Rotifers phylum, we have one sample of from 1.5 million years ago, and they haven't changed much since.
- 100-500 microns long (1mm)
- 1mm = 0.001 meters, 1µm = 0.000,001 meters.
- Rotifers translates to wheel bearer.
- Rotifers has jaws. - Parthogenesis (Reproduction)
- About 25% of the cells in its system are for its nervous system.
- Then make...