

“Don’t judge me by my desk.  
I’m actually very organized.”

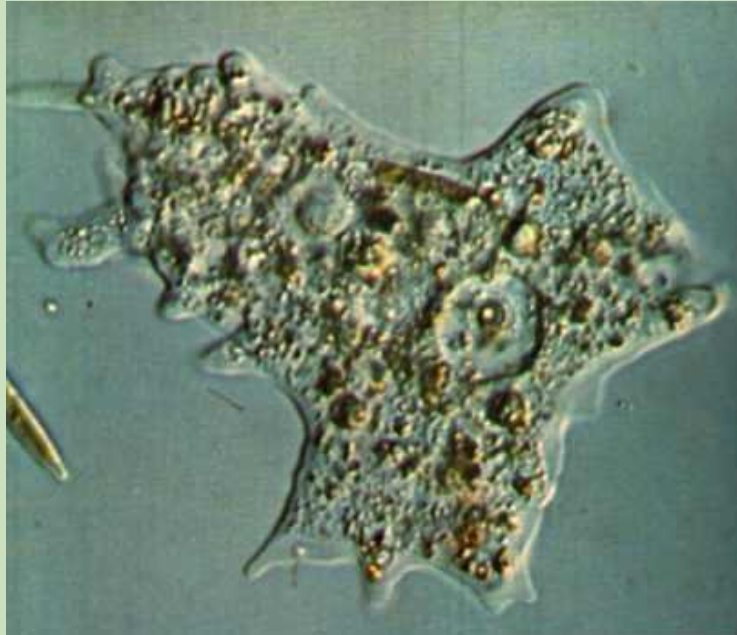


Organization  
in Living  
Things



# A Return To Cell Theory

What is the principle unit of life?



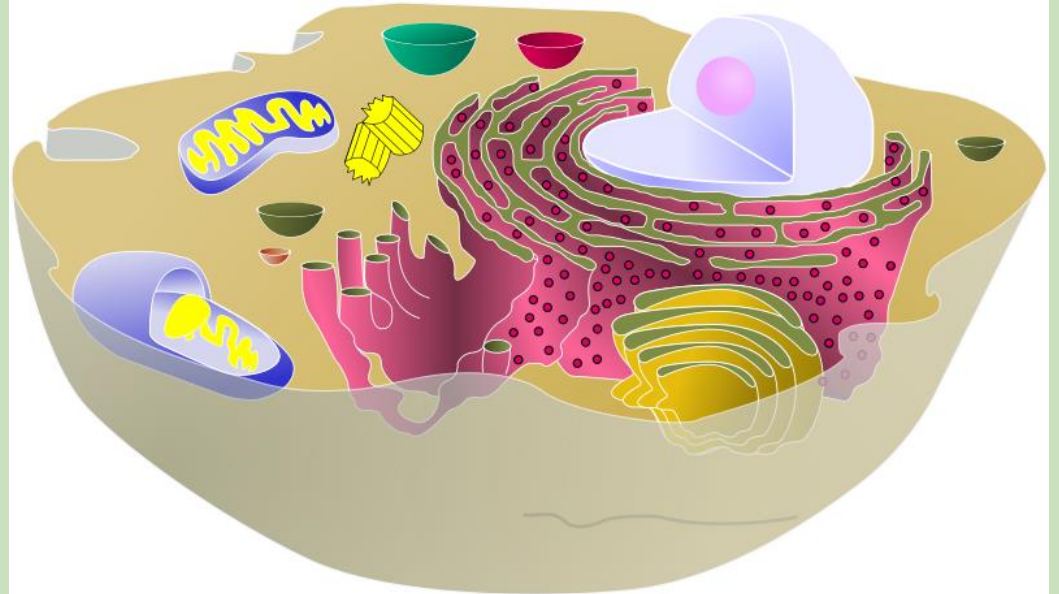
## The CELL!

Remember: All living things are made of cell (or cells).



# Define *CELL*

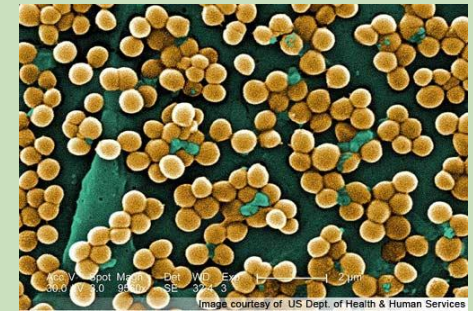
A group of **organelles** working together to carry out life processes



# From one to ten trillion cells

- Single-celled organisms = UNICELLULAR

Some examples?



- More-than-one-celled organisms = MULTICELLULAR

Examples?



Groups of **similar cells** working together to carry out life processes are called.....



*TISSUES*



# *These kinds of tissues:*

- **Epithelial**: Cover inner and outer surfaces.
- **Muscle**: Contract and relax for transport
- **Connective**: bone, cartilage, blood; hold you together
- **Nervous**: Transmit electrical “signals”



Groups of **tissues** working together to carry out life processes are called...

*ORGANS*

No. Not that kind of organ



# *These kinds of organs:*

- **Stomach:** mash food, digest proteins and distract you during Biology class
- **Brain:** What's being distracted right now.
- **Leaves:** Absorb sunlight and make food for plants. Yes, plants have organs too!





# See the trend yet?



Groups of **organs** working together to carry out life processes

## *ORGAN SYSTEMS*

Sorry, Couldn't come up with a silly picture for this one. Just look at the sheet I'm handing out right now.



Groups of **organ systems**  
working together to carry out  
life processes



## *ORGANISMS*



# Thanks for checking in...

- [www.mrulrichslandofbiology.com](http://www.mrulrichslandofbiology.com)
- [kulrich@newpaltz.k12.ny.us](mailto:kulrich@newpaltz.k12.ny.us)

