

# ENGAGEMENT IDEAS

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# VIDEOS

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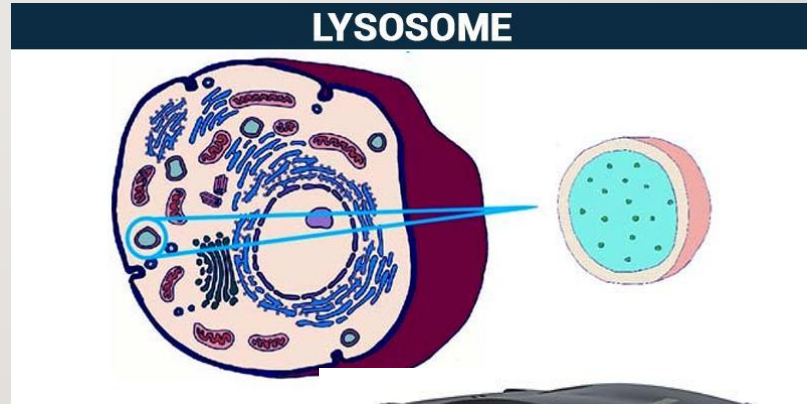
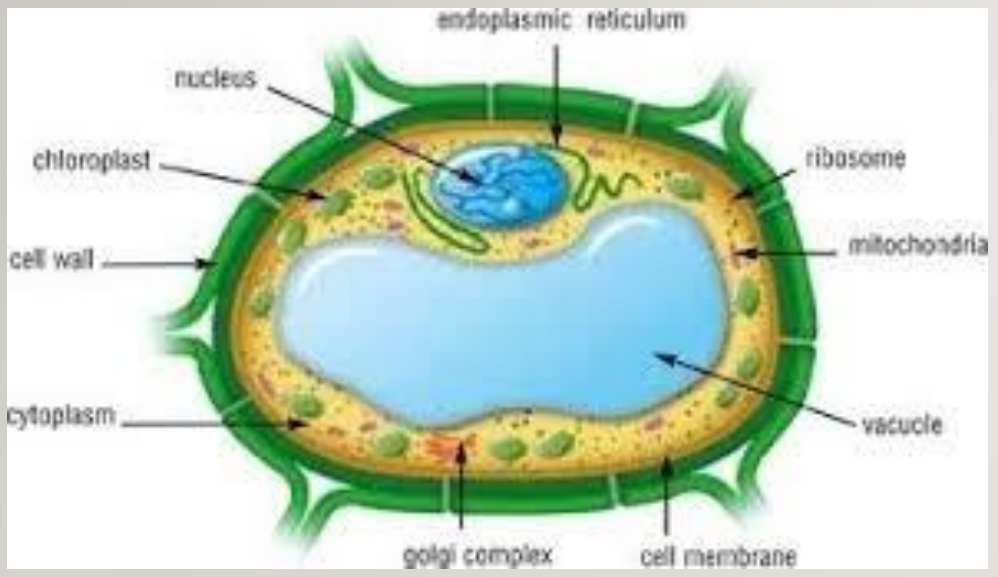
- <https://youtu.be/MzsORE0aeI0>

# CONNECT TO THE REAL WORLD- CELL ORGANELLES

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**Vacuole:** is a fluid filled sac used for storage. Stores water, food molecules, inorganic ions, and enzymes.



**Lysosomes:** 1. protects the cell from incoming bacteria and virus.  
2. Breaks down damaged/worn out cell parts

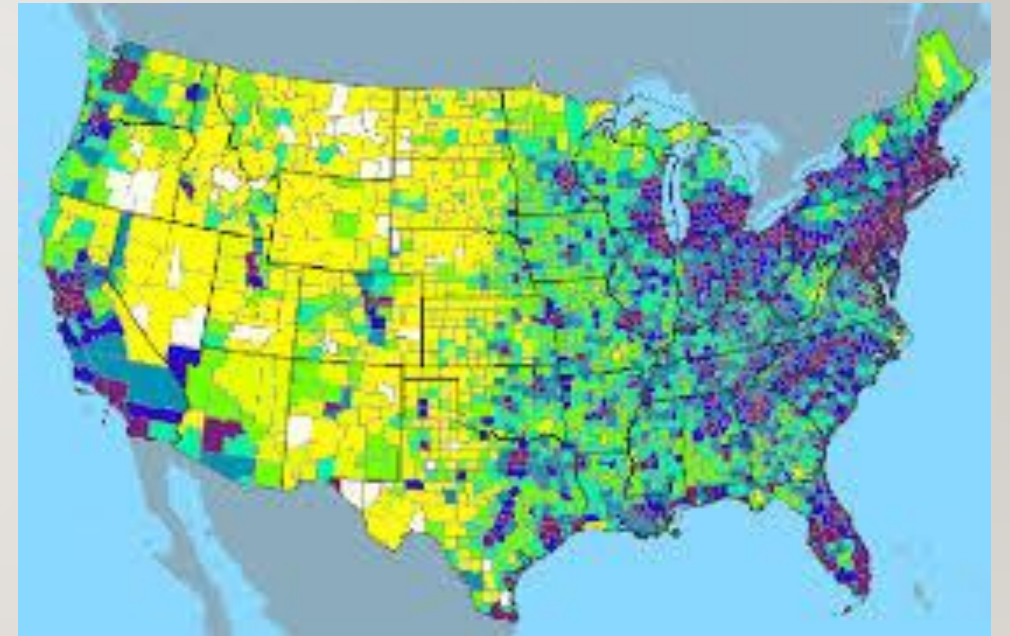




# DENSITY REAL WORLD EXAMPLES

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Density real world examples

LAMP OIL  
RUBBING ALCOHOL  
VEGETABLE OIL  
WATER  
DISH SOAP  
MILK  
100% MAPLE SYRUP  
CORN SYRUP  
HONEY



PING PONG BALL

SODA CAP

BEADS

CHERRY TOMATO

DIE

POPCORN KERNEL

BOLT



# CHEMICAL REACTIONS

2.4



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# CHEMICAL REACTIONS ARE EVERYWHERE

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- **Chemical Reactions: changing a substance into a different substance by breaking and forming chemicals.**
- **Examples: rusting of iron, humans digestion food to energy, plants making food, baking a cake, muscles converting energy to movement**



<https://www.youtube.com/watch?v=R7OyvHcKaHU>