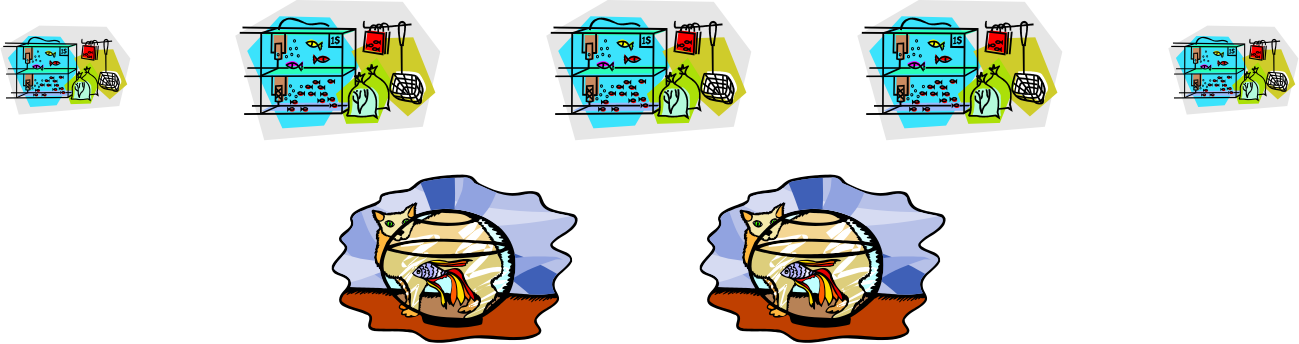


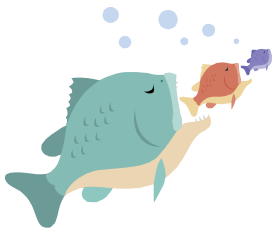
# A Fish Aquarium

Plural = aquaria

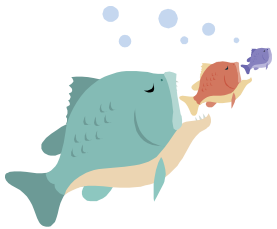


# Supplies

Aquarium



# Supplies



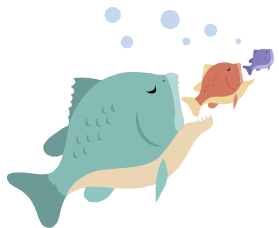
# Supplies

Aquarium



Lake

Filter



# Supplies

Aquarium

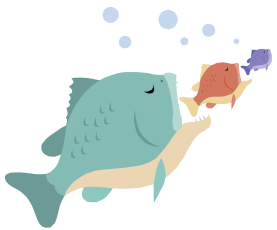


Lake

Filter



Plants



# Supplies

Aquarium



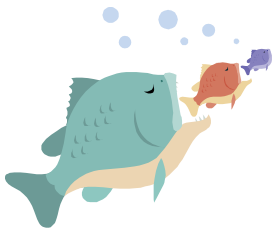
Lake

Filter



Plants

Rocks



# Supplies

Aquarium



Lake

Filter

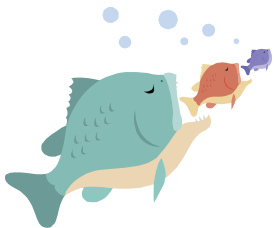


Plants

Rocks



Substrate



# Supplies

Aquarium



Lake

Filter



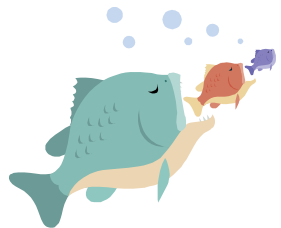
Plants

Rocks

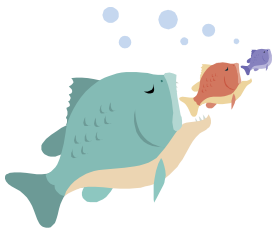
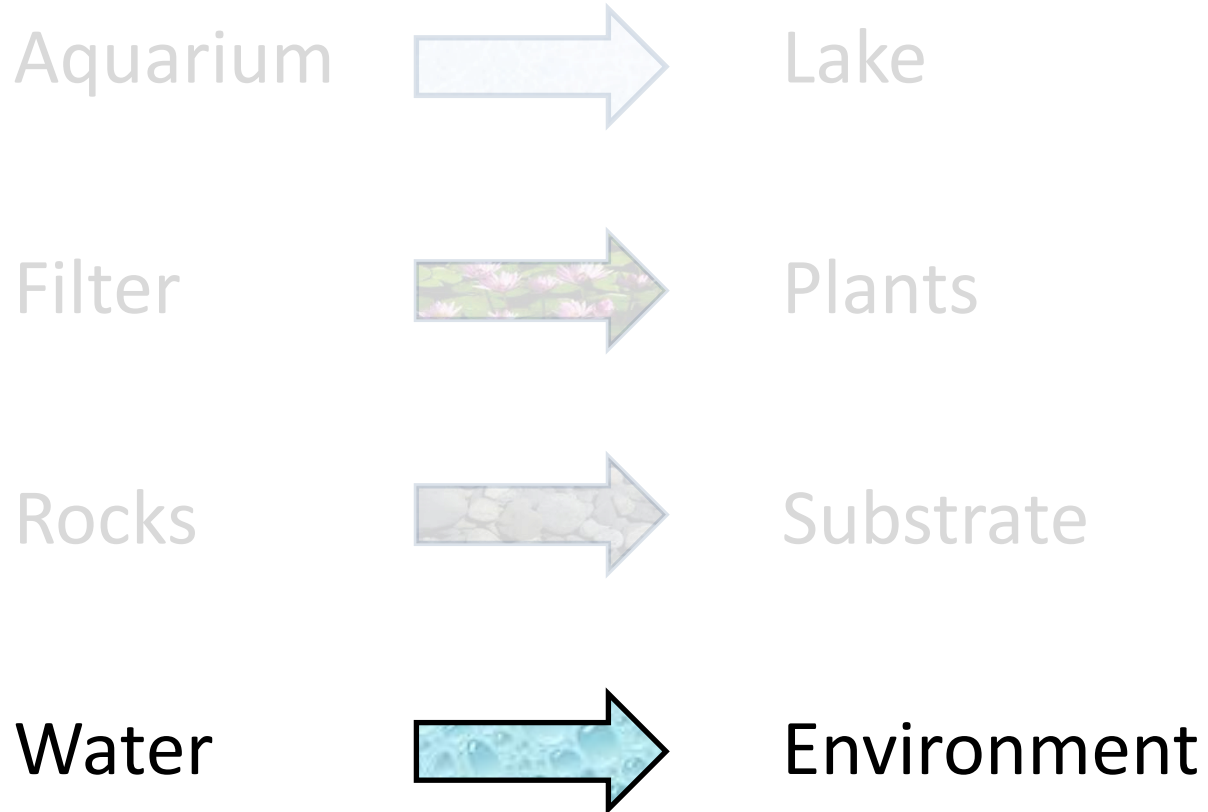


Substrate

Water



# Supplies



# Supplies

Aquarium



Lake

Filter



Plants

Rocks



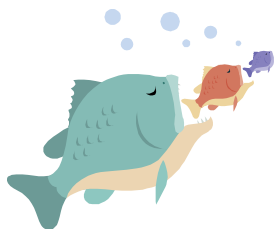
Substrate

Water



Environment

Food



# Supplies

Aquarium



Lake

Filter



Plants

Rocks



Substrate

Water

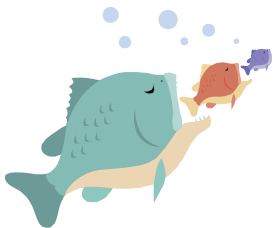


Environment

Food



Food



# Filter Plants

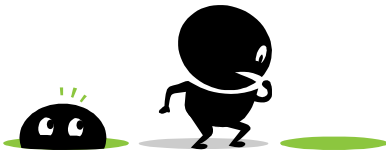
- Aeration
  - $\text{CO}_2$  and  $\text{O}_2$
- Waste removal
  - Captures solids
- Water movement
  - Exercise



Rocks  Substrate

# Rocks Substrate

Hiding



Foraging



Nesting or  
Egg laying

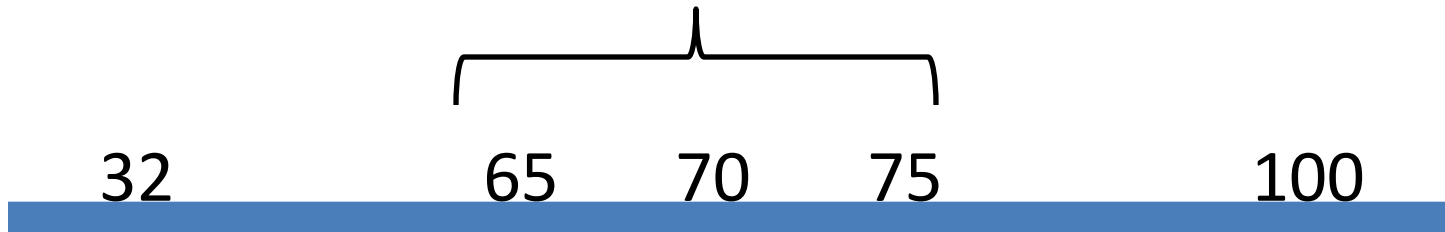
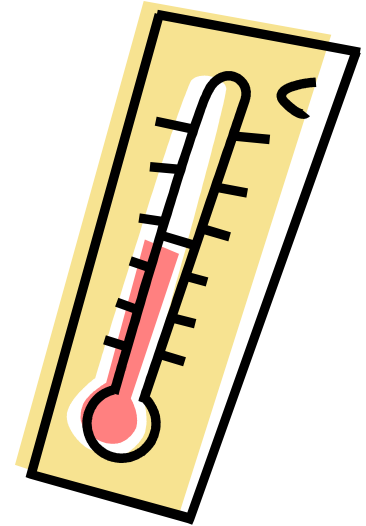
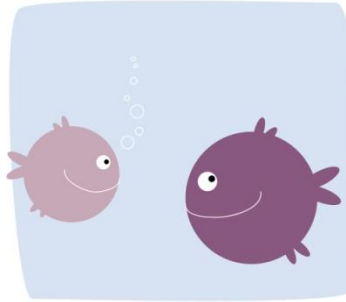




# Water

- Temperature
- Nitrogen
- pH
- Oxygen

# Temperature



Fahrenheit



# Nitrogen Cycle

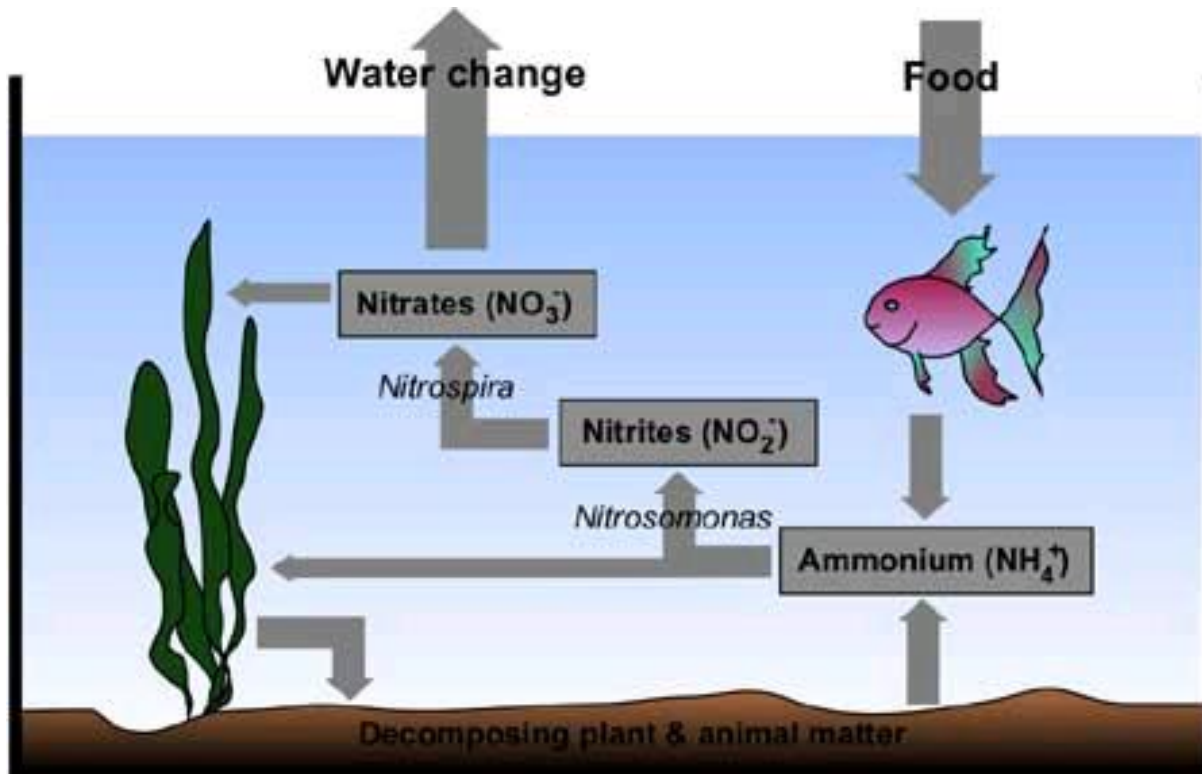
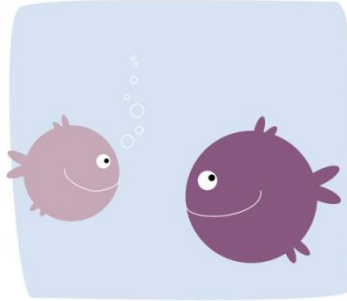


Photo Credit: Ilmari Karonen, <http://www.fishlore.com/NitrogenCycle.htm>

# pH



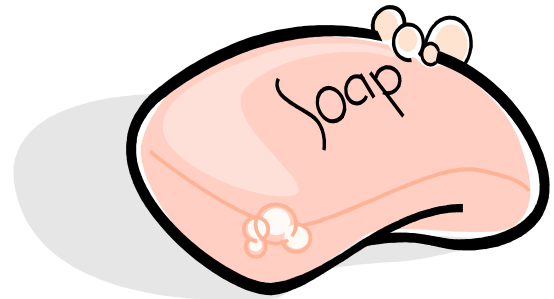
0

5

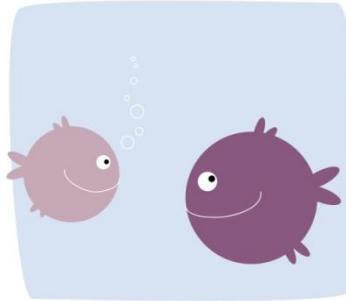
7

8

14



# Oxygen



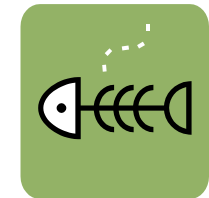
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8

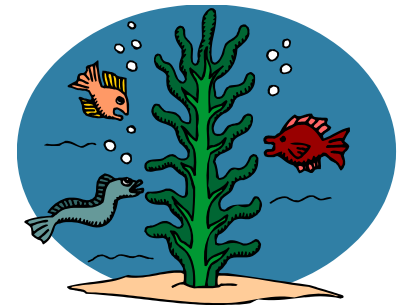
9

10

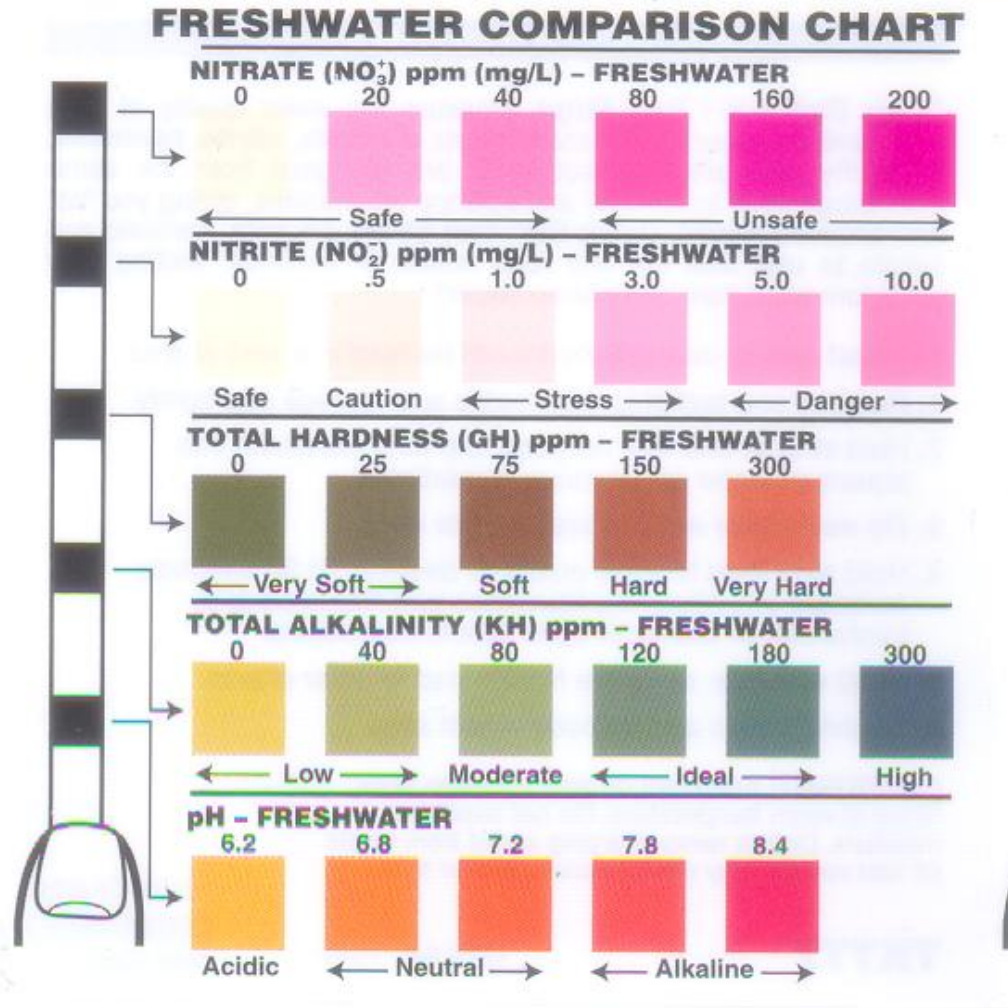
14



parts per million

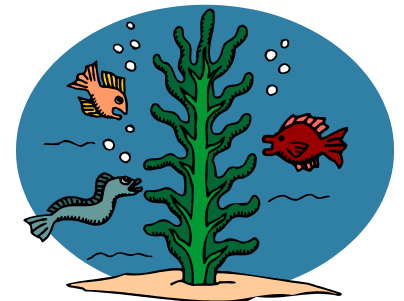
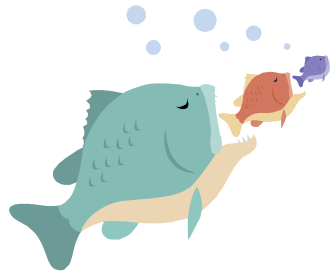


# Chemistry





# Food



# Supplies

