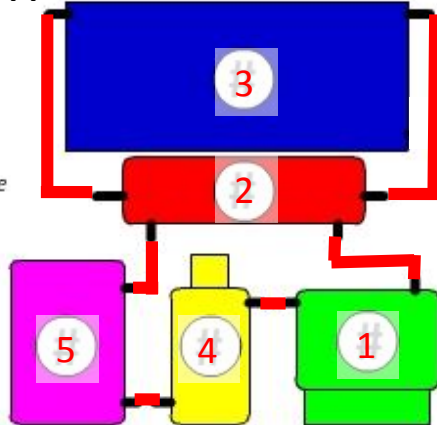


Complete the filtration system by adding the pipes and labelling the tanks. Pipes can be rotated but not flipped.

- 1) Sand Filter
-Strains waste material
- 2) Heat Exchanger
-Corrects water temperature
- 3) Tank
-A home for animals
- 4) Foam Fractionator
-Removes dissolved waste
- 5) Storage Tank
-Holds clean water supply



PIPES



Water currents constantly move water around. How do animals benefit from this?

Oxygenated water flows through their gills. Food travels to their mouth.

Locate at least two species with nematocysts (stinging cells). How are they used?

Anemone, sea nettle. Nematocysts act like a harpoon to stun prey.

What would need to be done to tap water before filling a freshwater tank? Salt water tank?

Remove the compounds that were added to make the natural water (from the lake) drinkable. Those compounds are ammonia, fluoride, chlorine. For a saltwater tank, add about 15 different types of salts.

Locate a Sand Tiger Shark. Do they spend most of their time near the top or the bottom of the exhibit? Why?

Sand Tiger Sharks spend most of their time near the top of the tank. They need to be near the surface to easily spot their prey and to gulp air to help with their buoyancy.

Name two things (other than filtration) the aquarium does to keep the animals healthy?

Feed the animals.

Give the animals check ups.

Scrub and vacuum their tanks.

Draw a public service announcement (PSA) for conserving water. A PSA is similar to an advertisement but it is meant to make our world a better place.

STUDENT NAME: _____