

A high-speed photograph of a water droplet falling into a pool of water. The droplet is captured mid-fall, just above the point of impact, creating a series of concentric ripples that spread outwards. The water is a deep blue color, and the background is a soft, out-of-focus gradient of light blue and green.

AQUARIUMS

History ~ Basics ~ Fun Facts

Introduction

Aquarium: (Latin) aqua – water; arium – a place for relating to

Definition : An Aquarium is a transparent tank or a bowl or an artificial pool where live fishes and other aquatic animals are kept.

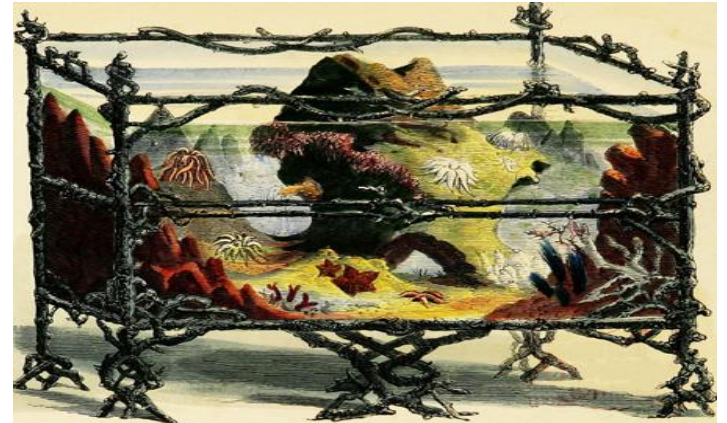


History

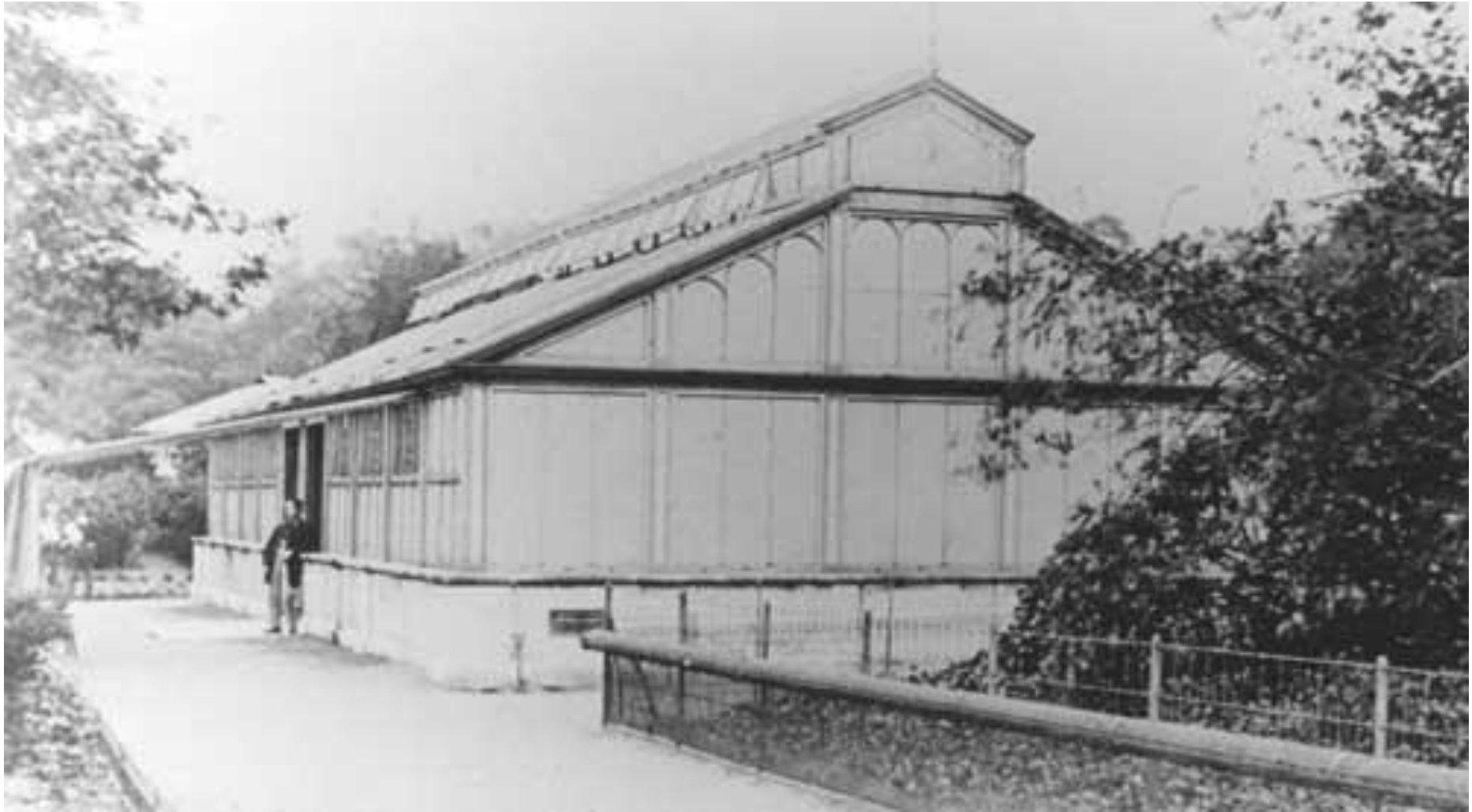
Sumerians, Egyptians, Chinese, and Romans

More than 4,500 yrs – ponds & tanks

Not until the 1800's that the aquarium as we know it began to really appear



The London Zoo Fish House at Regent's Park, circa 1857



Types of Fishkeeping Systems

FRESH WATER

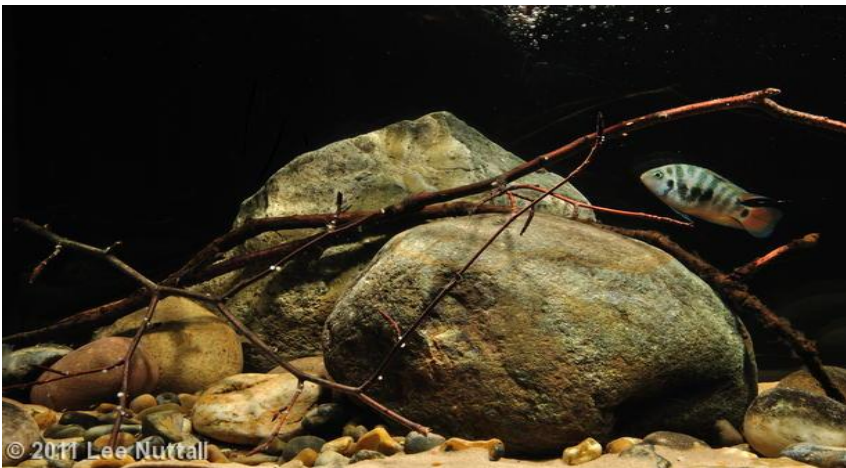
Coldwater, Tropical

SALT WATER

Reef, Fish Only

BRACKISH WATER

FRESHWATER



SALTWATER

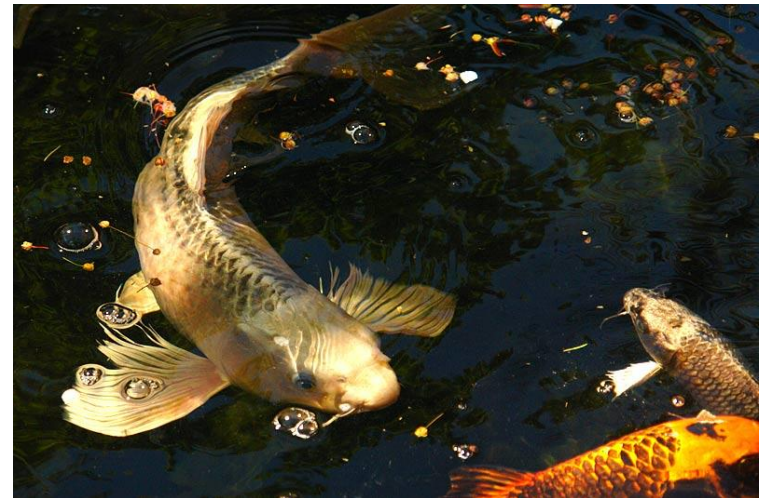


BRACKISH WATER



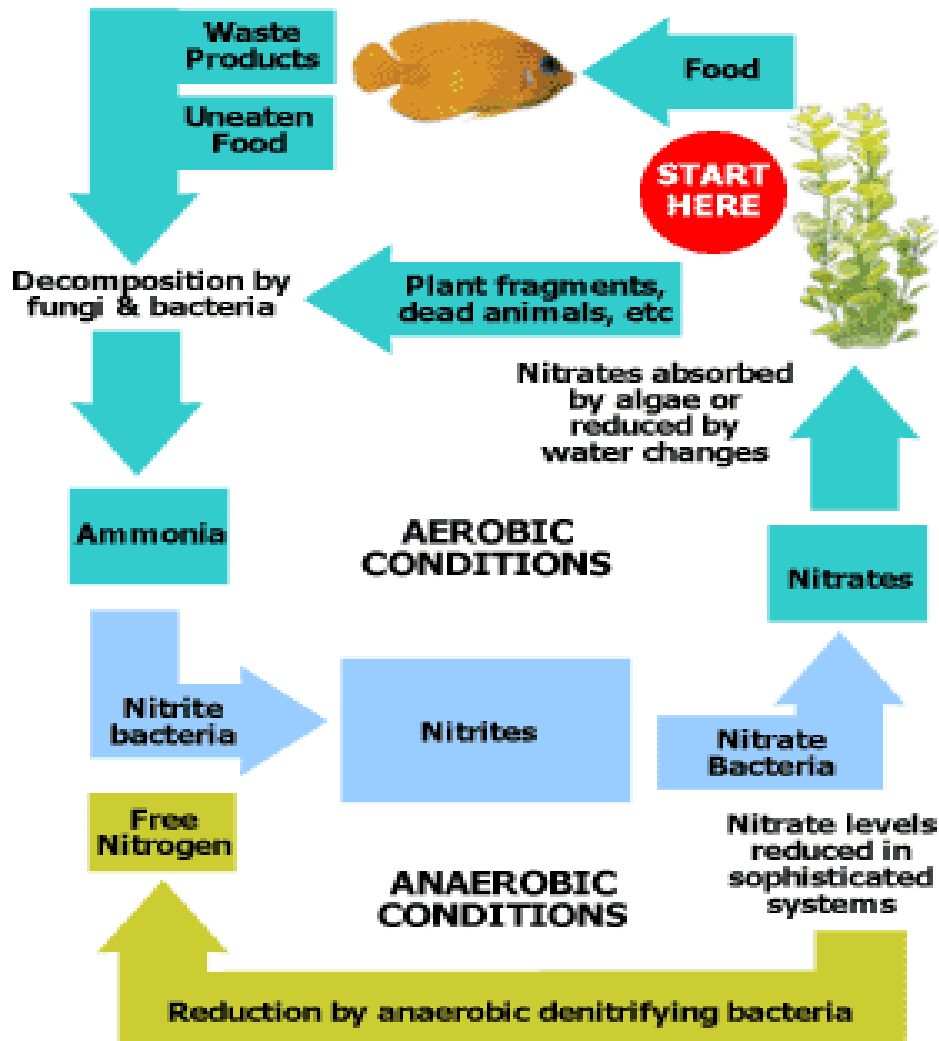
Benefits of Keeping an Aquarium

- Relaxation
- Knowledge - Ecology
- Health Benefits – BP / Stress Reduction & Alzheimer's Therapy
- Beauty - Decoration
- Some fishes can be “wet pets” – Behave like dogs / cats

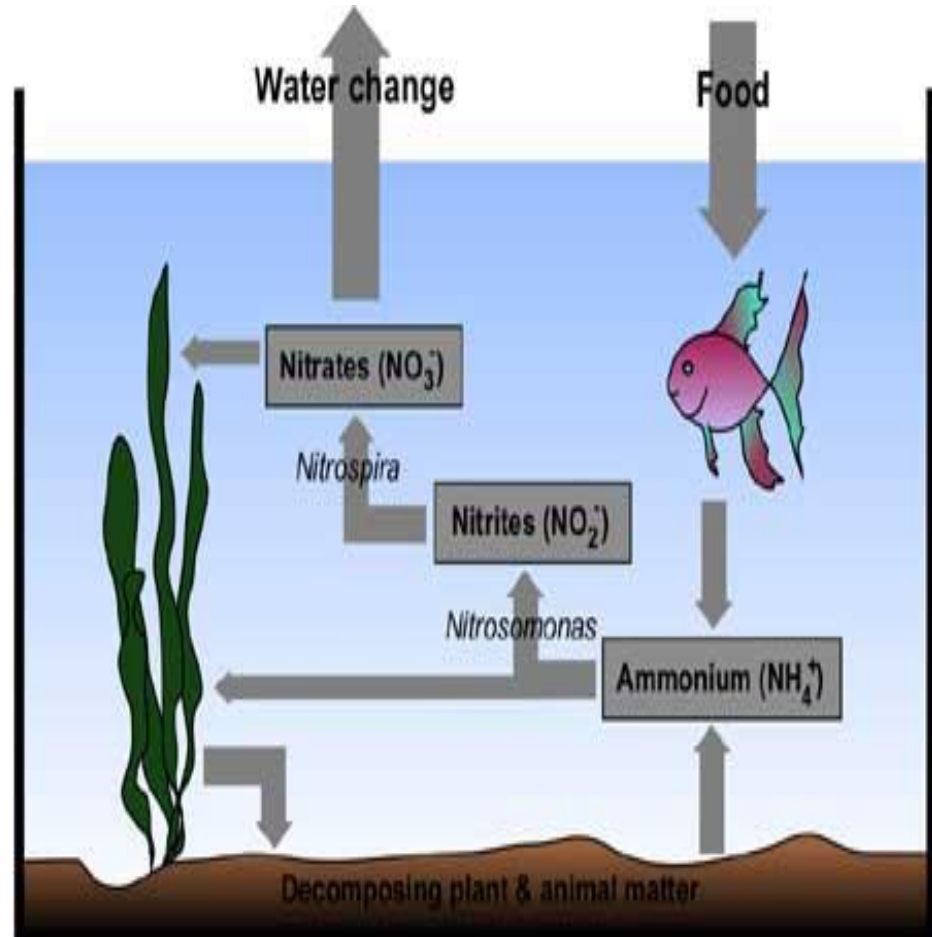


The Cycle

Aquarium Cycle



Nitrogen Cycle



World's smallest Aquarium with live fish



Top Ten Must See Aquariums of the World

10. The Aquadom



Berlin's Aquadom, located inside the Radisson Hotel, is both huge and extreme.

You can ride a transparent elevator through the entire tank to the upper observation platform.

- Over 25 meters high, with an 11-meter outer diameter.**
- A million liters of water**
- Over 2,600 aquatic species**

9. Shanghai Ocean Aquarium



This Chinese aquarium, with its 155-meter underwater tunnel (known as the longest in the world) is one of the largest aquariums in Asia. It specializes in rare species preservation and houses a number of unique and endangered Yangtze River aquatic species (such as the Yangtze alligator and the Chinese giant salamander).

8. uShaka Marine World



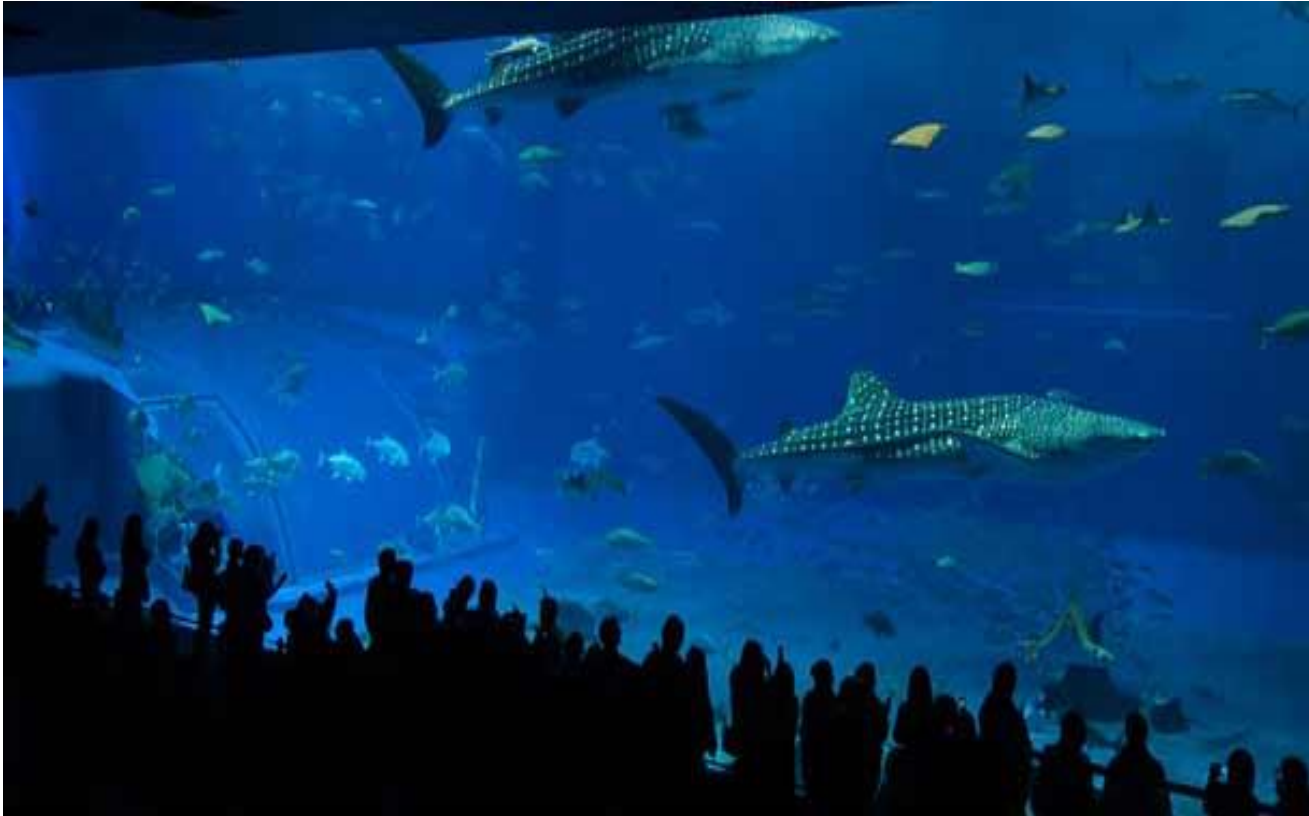
Located in Durban, South Africa, this is constructed to appear like an old wreck, and houses numerous creatures – from tiny sea horses to large dolphins and sharks. You can even dine at any of its cafes and restaurants and continue enjoying the sights at the same time. The Cargo Hold restaurant features a full-sized, shark-filled aquarium to provide the ultimate dining and viewing experience.

7. Turkazoo



Located in Turkey and opened in 2009, this large aquarium is known as the largest publicly funded aquarium in Europe. Features include tropical seas, flooded forest, and rainforest zones. Located in the interiors of the Forum Istanbul Shopping Mall, the Turkuazoo is home to roughly 10,000 aquatic creatures, and serves as an epicenter of marine research for the region.

6. Okinawa Churaumi Aquarium



Opened for viewing in 2002, the Okinawa Churaumi Aquarium's acrylic glass panel is second in size to only that of the Dubai Mall Aquarium. Even though it doesn't have the largest acrylic panel in the world anymore, the Okinawa Aquarium still has a lot of pleasant surprises in store for visitors. Since 2010, visitors have been able to witness the birth of four manta rays at this aquarium.

5. L'Oceanogràfic



Located in the Spanish city of Valencia, within the futuristic complex of the City of Arts and Sciences, this aquarium covers over 110 thousand square meters of land.

L'Oceanogràfic is the largest aquarium in the European continent and one of the biggest aquariums in the world, displaying 45,000 creatures in Arctic, Antarctic, and Mediterranean ecosystems.

4. Monterey Bay Aquarium



Located in Monterey Bay, California, this aquarium makes it possible for viewers to observe over 35,000 sea creatures belonging to about 623 species and features a tank with the largest single pane window. The sheer range of species cared for is one of the more diverse on the west coast of the US. This aquarium was founded in 1984, making it one of the oldest aquariums on this list.

3. The Deep Aquarium



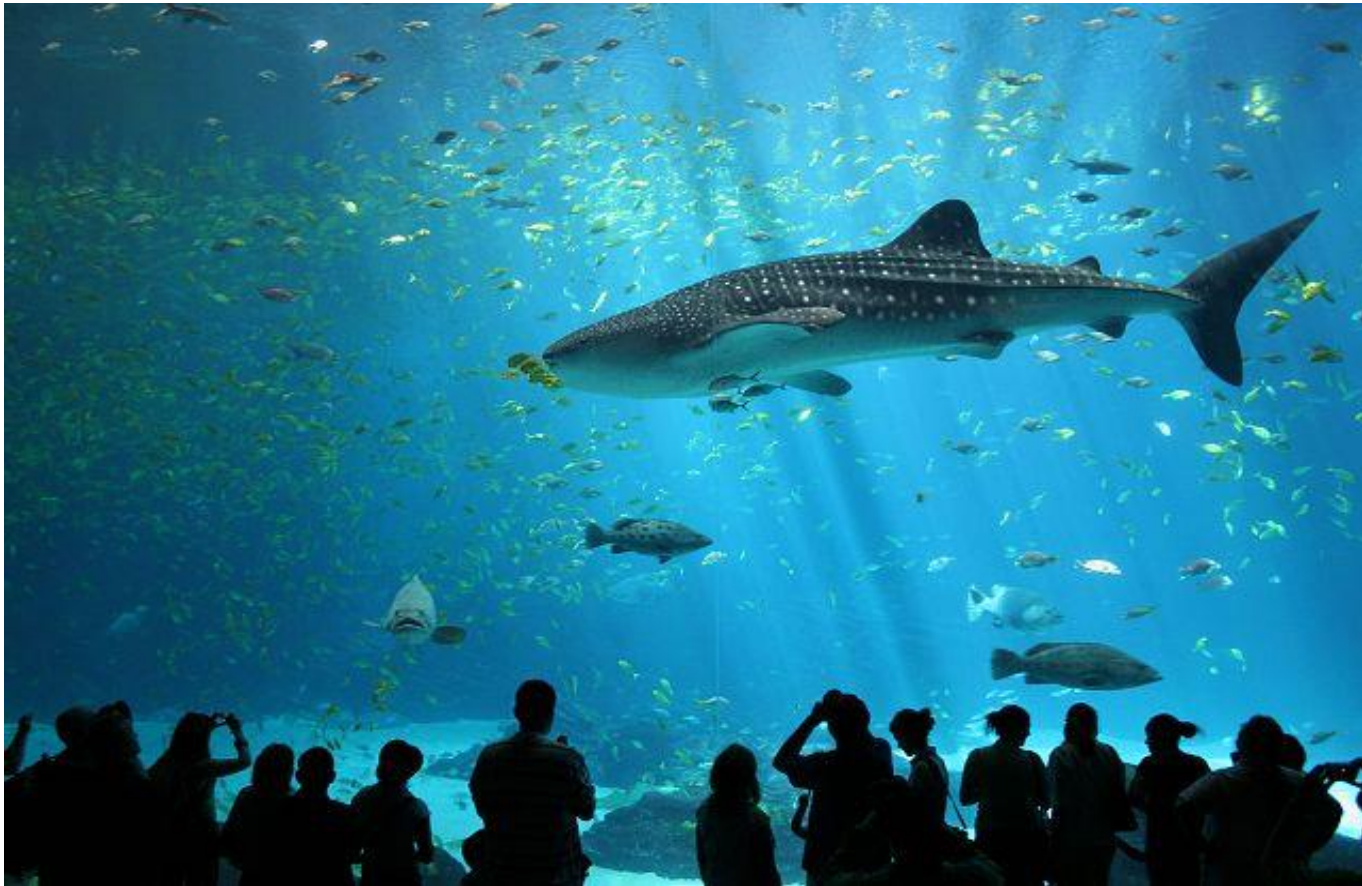
Located in Hull, England, the Deep Aquarium opened in 2002, and is known for being the only submarium in the world. Approximately 2.5 million liters of salt water are contained in its tanks and hosts numerous shark species as well as 3,500 other kinds of fish and aquatic life. This aquarium is publicly funded and also doubles as a marine research laboratory.

2. Dubai Mall Aquarium



The United Arab Emirates hosts the Dubai Aquarium and Discovery Center within the Dubai Mall. It has approximately 33,000 fish and 85 various species of aquatic creatures that can be viewed through its huge acrylic panel. With 2.64 million gallon tanks, this aquarium is the record-holder for the world's biggest acrylic panel.

1. Georgia Aquarium



As home to over 100,000 marine creatures, the Georgia Aquarium in Atlanta is arguably the biggest aquarium in the world. It opened its doors to viewers in November 2005 and is home to enormous 6.3 million gallon tanks that house a myriad of species such as dolphins, whale sharks, and beluga whales.

THANK YOU

