

AQUARIUM WORLD

8. WEEK: PERSONAL HOBBY AQUARIUM: AQUARIUM WORLD

WEEKLY TOPICS (CONTENT)

- 1. Week Why there is an interest on aquarium? Introduction and motivation
- 2. Week Aquarium world: To be a fish
- 3. Week Aquarium world: Biodiversity
- 4. Week Popular aquarium invertebrates
- 5. Week Popular aquarium fishes: Freshwater and brackish-water species
- 6. Week Popular aquarium fish: Marine species
- 7. Week Public aquariums: Aquarium world
- 8. Week Personal hobby aquarium: Aquarium world.
- 9. Week Species selection
- 10. Week World aquarium sector
- 11. Week Cleaning an aquarium, main principles
- 12. Week Education: Aquarium world
- 13. Week General evaluation and discussion: About species exhibited in public aquariums
- 14. Week How to keep an aquarium fish healthy

An aquarium is an artificial enclosure filled with water used to serve as a habitat for fish or other marine organisms.

Aquariums range in size from small household aquariums meant for a few and small fish to huge ones that can hold millions of gallons of water and host animals as big as the whale.

It is believed that aquariums were initially built by prehistoric man for the purpose of storing his fish after catching.

However, the 18th century brought with it entrepreneurs who established some of the most famous aquariums in the world for both scientific research and entertainment purposes.

<https://www.worldatlas.com/articles/oldest-aquariums-in-the-united-states.html>

Aquariums as a Hobby

Many people are interested in having a freshwater/brackish-water/saltwater aquarium in their places.

Here are a few things experience like to suggest when you consider setting up a tropical freshwater/brackish-water/saltwater aquarium.

<https://seaworld.org/en/animal-info/animal-infobooks/aquarium/>

Obtain a copy of a good reference book on setting up an aquarium.

Learn about the animals you wish to have.

Check the water quality from your aquarium before you purchase animals.

Regularly test your aquarium water.

Find the specimens suitable for your aquarium.

<https://seaworld.org/en/animal-info/animal-infobooks/aquarium/getting-started>

At what temperature should the aquarium be maintained?

What kind of lighting is required?

How is salinity determined in a marine aquarium?

What is pH?

What kind of filtration is needed?

Freshwater or saltwater?

What do I need to set up my aquarium?

Aquarium Setup

The best type of aquarium to use?

The best location for a saltwater aquarium?

aquarium stands are best to use?

filtration system for a saltwater aquarium?

filtration system for a coral reef aquarium?

salinity for a saltwater aquarium?

salinity for a coral reef aquarium?

measure the salinity of the water?

How much light do I need for a saltwater aquarium?

How much light do I need for a coral reef aquarium?

How long should the lights be left on?

Cycling the Aquarium

Nitrogen cycle...

Live Rock and Substrate

What is live rock?

benefit for saltwater aquarium?

What is substrate?

What is the best type of substrate to use in a saltwater aquarium?

What is live sand?

Choosing Fish for the Aquarium

Choosing Invertebrates for the Aquarium

Choosing Corals for the Aquarium

References

Brain, M. 2008. The Science Book: Everything You Need to Know About the World and How It Works. National Geographic Society, 432 pages.