

8 animals can perfectly regrow lost body parts

For some types of animals below, the 'unfortunate' loss of a certain part of the body is just an accident that causes temporary pain.

An accident leading to the amputation of a part of the body is always a haunting scenario for any of us. Because almost all parts of the human body cannot regrow after loss, and we will have to live with that defect for the rest of our lives.

The lost body part will quickly grow back perfectly, as if nothing had ever happened.

Let's come to these interesting animals right here.

The lizard



Lizards in general are famous for their unique 'trick' of escaping from enemies, which is dropping their tails to distract enemies as well as distract predators before quickly escaping at high speed. The tail after falling off can completely regrow within 3 to 4 months. However, during this time, lizards will be more vulnerable.

Starfish



Most sea stars have five arms, corresponding to the five stars that represent their name. But there are also some species of starfish that can possess up to 40 such arms. Besides their unique appearance, another feature that makes starfish so interesting is their ability to regenerate their entire body from just a severed limb, because most of their important organs are located in in these arms.

Flatworms



The impressive regeneration ability of flatworms has always fascinated scientists for hundreds of years. Most flatworm species can regrow all types of body parts, including heads, through a stem cell process. These clones reproduce by tearing themselves in half, and it only takes about a week for the two pieces to become two completely different new worms.

Conch



Conchs are slow gastropods that live on the seabed. When watching a moving conch, you may notice that the creature's eyes are bulging up like two sticks. It is worth mentioning that the conch's eye can regrow itself after being lost. Compared to other gastropods, the process of eye regeneration in conch occurs quite quickly - it only takes a few weeks.

Deer



Antlers are the only organ on the deer's body that can completely regenerate, and this happens every year. The antler regeneration process, initiated and maintained by deer neural crest-derived stem cells, is being used by scientists to study and model organ regeneration in animals. other mammals.

Males regenerate their antlers each year to compete with other males for mates and to search for food in the snow. The growth rate of deer antlers is extremely fast - about 0.6cm per day.

Crayfish



Shrimp can regrow their claws, just like other arthropods. The regeneration process usually takes one molt to complete. However, this process can happen faster if the shrimp are young, when the environment is warm and they are well fed.

In particular, research on the brain of giant freshwater prawns has discovered many more interesting things. Scientists have found a link between the immune system and nerve cell regeneration in giant freshwater prawns. This process is similar to the production of white blood cells, which leads to the human immune system.

Zebra fish



Zebrafish can regenerate stripes on its body and tail. If a fish's tail fin is bitten off, for example by another hungry fish, it can grow a new tail in about 2 to 4 weeks. Because zebrafish are regeneration experts, researchers have used them as models in many complex tissue regeneration studies.

Axolotl



Axolotl, also known by the nicknames 'six-horned dinosaur', 'Mexican salamander', is a very popular animal in the aquatic community in recent years. Besides its extremely strange appearance, this aquatic salamander is also famous for its ability to regenerate not only its limbs but also its spinal cord, heart, eyes and parts of the brain.

Unlike other vertebrates, the axolotl can continuously regenerate body parts throughout its life. By sequencing the axolotl's genome, scientists hope to discover how the species uses stem cells to regenerate tissue.

Currently, the axolotl species is extremely endangered in the wild.

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