

## LESSON 14

# ASEXUAL REPRODUCTION IN ANIMALS





# LET'S TRY!

Visit an oceanarium, watch an under water video or look at the photos that your teacher will show you. Identify as many as you can. Pool all your answer together. Make an intelligent guess on how each of these sea creatures reproduce. Discuss your answer.





The background is a dark blue underwater scene. It features stylized coral in shades of blue and purple on the left and right sides. There are several blue bubbles of different sizes floating in the upper part. In the bottom right corner, there are some light-colored, egg-shaped objects on thin stems. The overall style is illustrative and colorful.

# IMPORTANT QUESTION?

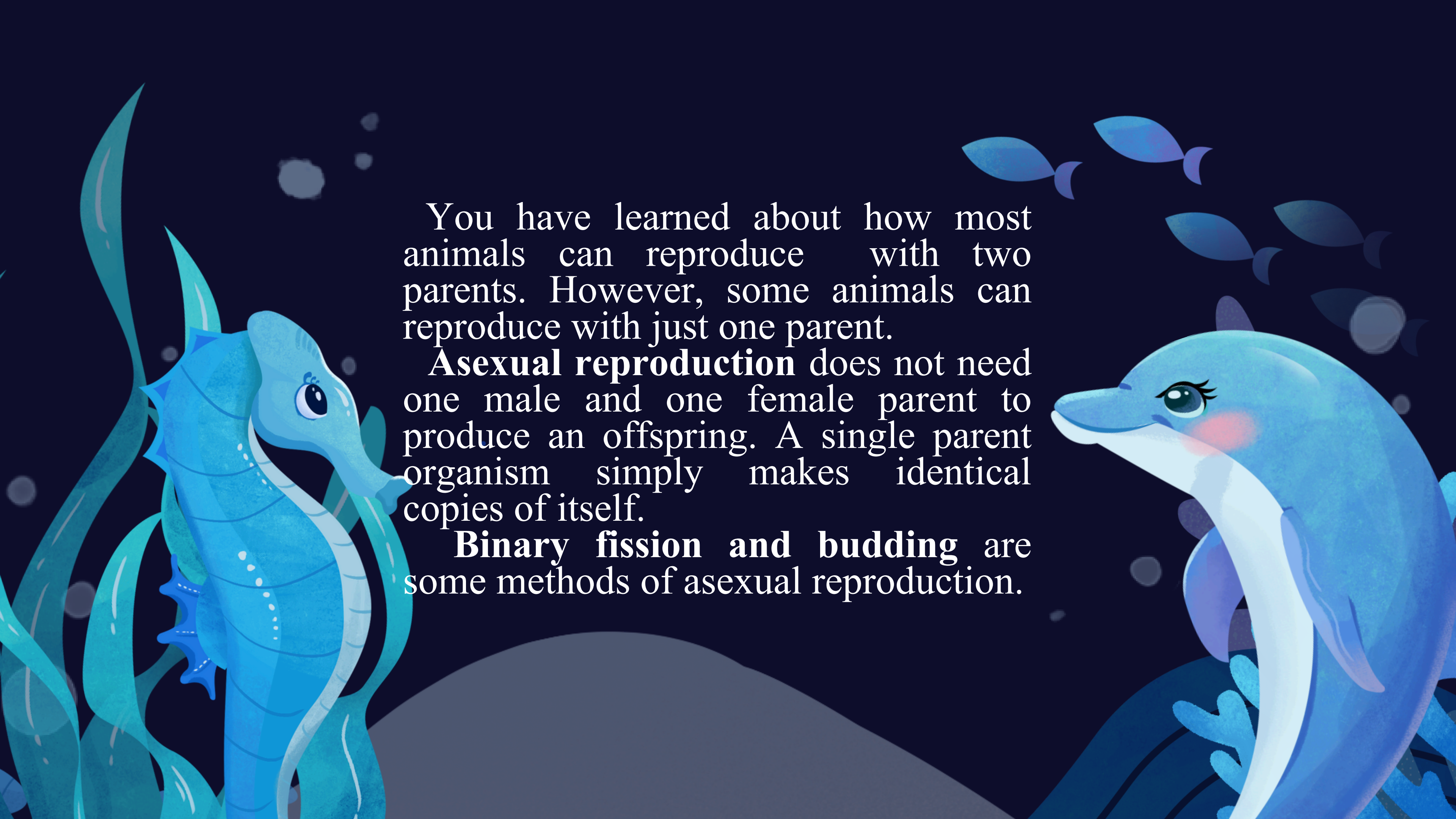
How do some animals reproduce with only one parent?



**LET'S  
DIVE IN!**







You have learned about how most animals can reproduce with two parents. However, some animals can reproduce with just one parent.

**Asexual reproduction** does not need one male and one female parent to produce an offspring. A single parent organism simply makes identical copies of itself.

**Binary fission and budding** are some methods of asexual reproduction.



The background of the slide is a stylized illustration of an underwater environment. It features various shades of blue and purple. On the left, there is a large, branching coral structure in a lighter blue. In the center and right, there are smaller, more rounded coral or sea anemone-like structures in darker blue and purple. Several small, pinkish-purple fish are swimming in the water, and some darker blue fish are visible near the top. The overall aesthetic is soft and artistic.

## Binary fission

Binary fission occurs when a parent animal divides itself into two. Each half grows into a new individual. Binary fission is also called splitting. Some very small animals and certain marine animals reproduce through this method. This allows them to quickly grow clusters of closely living groups or colonies. The sea anemone is able to reproduce by binary fission. It splits its polyp or body into halves, then it grows into two new sea anemones.



**Sea anemone(Actiniaria) is saltwater animals which is able to reproduce by binary fission.**





An underwater scene with a dark blue background. In the top left, a large, translucent purple jellyfish with long, flowing tentacles. In the top right, two large, light blue bubbles. In the center, the text 'THANK YOU' in white, bold, sans-serif font. In the bottom right, a large, blue sea turtle with a patterned shell and flippers. In the bottom left, several small, pink fish swimming near some dark blue, rounded shapes representing coral or rocks. The overall style is soft and artistic.

**THANK YOU**