

## 綠海龜媽媽米亞 和她的海洋朋友

MOTHER GREEN TURTLE MIA  
AND HER OCEAN FRIENDS



香港是超過5,000種海洋生物的家。你知道牠們是如何互動和互相依賴嗎？

營養關係是其中一個例子，指生物之間的食性關係，例如綠海龜進食海草。當這些關係逐一結合形成一連串的關係時，便會形成食物鏈。而食物鏈互相結合後便形成複雜的食物網。

Hong Kong is home to more than 5,000 species of marine wildlife. Do you know how they interact with and rely on each other?

One example is trophic relationships which refer to the feeding relationships among living organisms, like green turtles feed on seagrasses. When these relationships connect one by one, it will form a chain of relationships which we call the **FOOD CHAIN**.

Adding food chains together forms a complicated **FOOD WEB**.

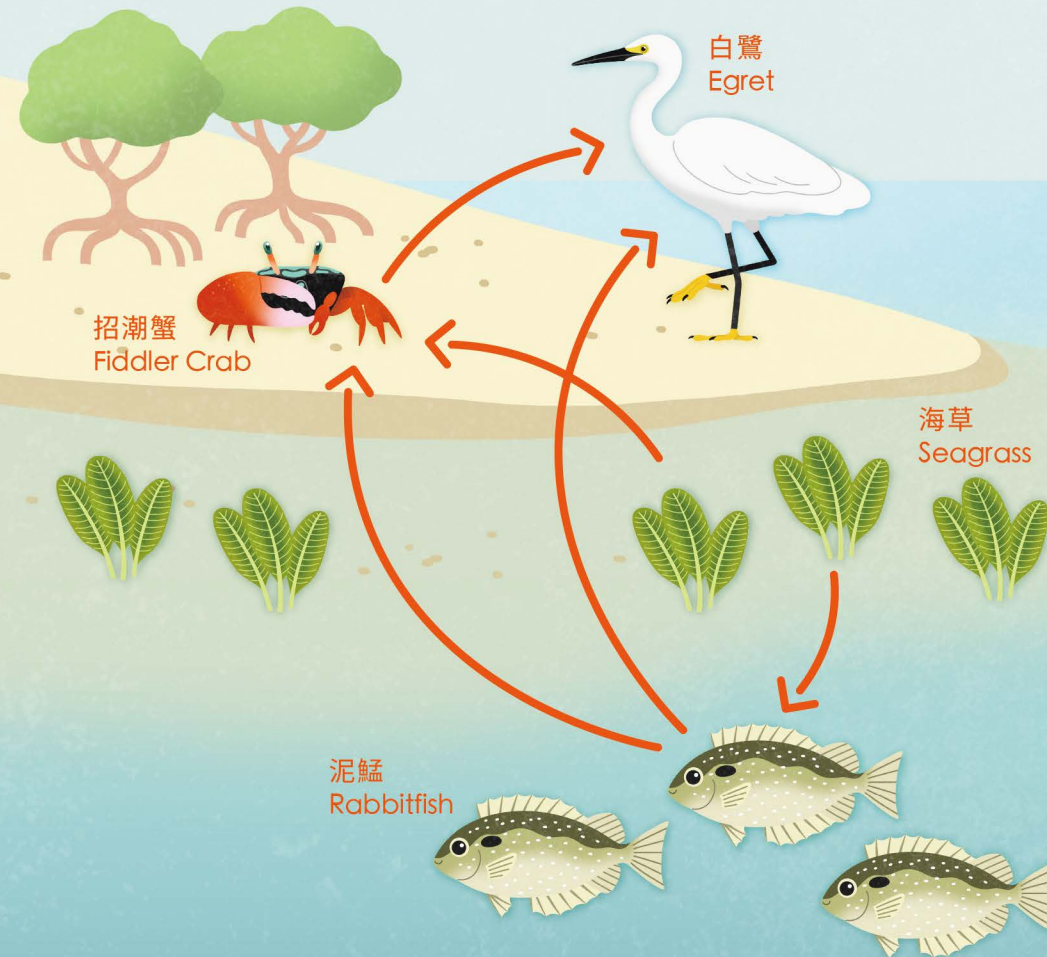
現在你已經了解什麼是食物網！請畫出一個連接海洋和陸地的食物網嗎。

提示：我們的雀鳥和蟹朋友可以幫助你！

Now you understand what is a food web! Please draw a food web which connects the ocean and the land.

Hints: You can try with our feathered friends and crabs!

### 例子 Example



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太古海洋探知館網頁

Swire Marine Discovery Centre website



前往下個展區  
NEXT ZONE

海洋危機  
UNDER THREAT

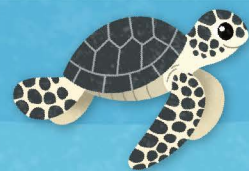






在食物鏈或食物網中，每種生物作為生產者或消費者，扮演一個或多個角色。牠們在不同的食物鏈或網中扮演的角色也可能不同。

Within a food chain or food web, each organism occupies one or more trophic level(s) as producer or consumer. Their roles can be different in different food chains or webs.



## 1 生產者 PRODUCERS

食物鏈最底層的生物，它們能夠合成需要的食物。例如利用陽光生產食物的植物和藻類就是生產者。

Organisms in the first trophic level can synthesise their own food, such as plants and algae which use sunlight to produce food. They serve as the foundation of food chains.

## 2 初級消費者 PRIMARY CONSUMERS

食物鏈第二層的生物，牠們以生產者為食物。部分初級消費者被稱為食草動物。

Organisms in the second trophic level eat producers. Some of them are called herbivores (i.e. plant-eater).

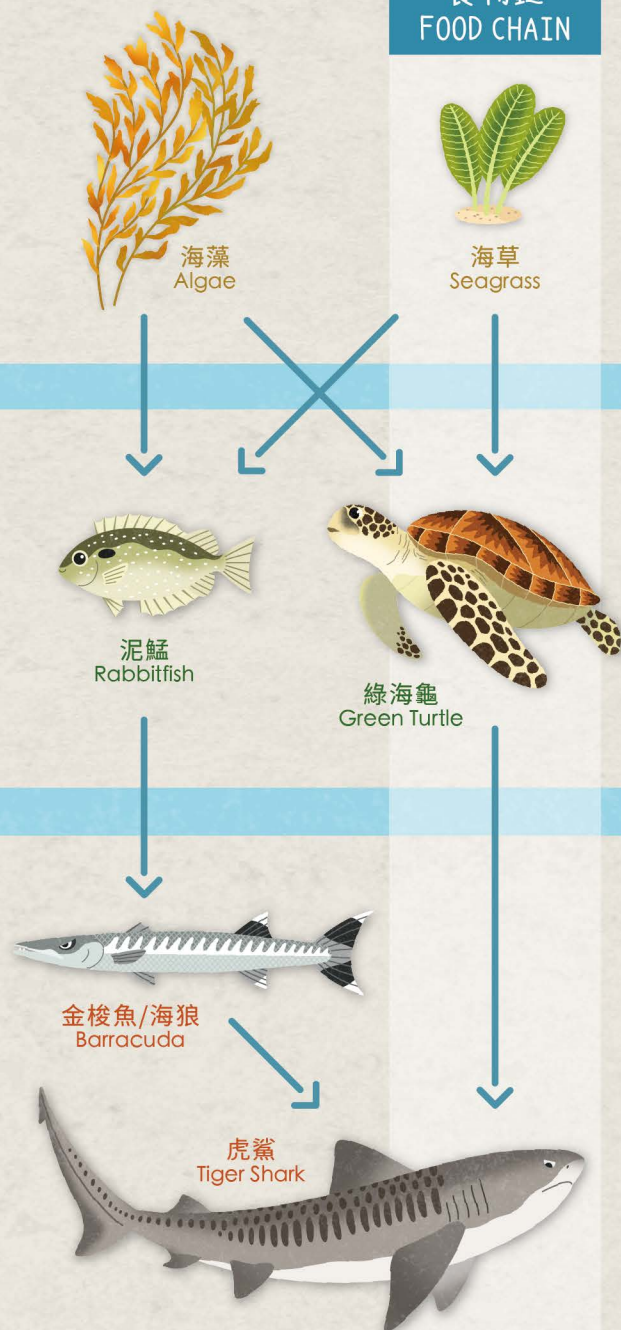
## 3 次級和三級消費者 SECONDARY & TERTIARY CONSUMERS

次級消費者是食物鏈第三層的生物，牠們以初級消費者為食物，再上一層的三級消費者則以次級消費者為食物，依此類推。消費者可能依賴多種食物來源並扮演不同角色。牠們可以是肉食動物或雜食動物（吃動物和植物）。

Secondary consumers are organisms in the third trophic level which feed on primary consumers, while tertiary consumers feed on secondary consumers, and so forth. Consumers may rely on multiple food sources and occupy several trophic levels. They are either carnivores (i.e. meat-eaters) or omnivores (i.e. plant- & meat-eaters).

### 食物網 FOOD WEB

#### 食物鏈 FOOD CHAIN



## 食物網小遊戲 FOOD WEB GAME



請畫出箭咀來連接食物網。

記住箭咀是由獵物指向捕食者。

Please draw arrows to connect the food web.

Remember the arrowhead should be pointing at the animals which feed on the other.

地點  
LOCATION 香港水域  
HONG KONG WATERS



人類 HUMAN

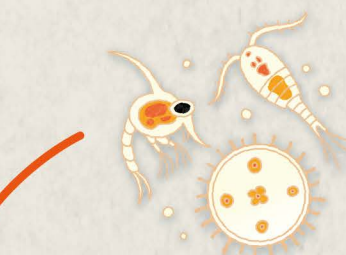
頂級消費者。  
The top consumer.



紅斑 HONG KONG GROUPE

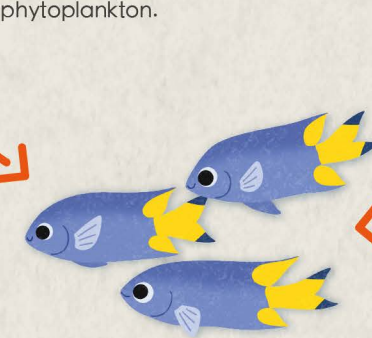
一種食肉動物，以較小的魚類、螃蟹和其他動物為食物。

A predator which eat smaller fishes, crabs and other creatures.



浮游動物 ZOOPLANKTON

以浮游植物等較小生物為食物的微小生物。  
Tiny organisms which feed on smaller organisms like phytoplankton.



黃尾石鯽 CHINESE DEMOISELLE

香港常見的小型魚類，以浮游生物為食物。  
A common small fish in Hong Kong which feeds on plankton.



浮游植物 PHYTOPLANKTON

利用陽光製造食物的微小生物。  
Tiny organisms which use sunlight to make their own food.



綠海龜媽媽米亞以海草和藻類為食。那她在食物鏈中屬於哪個角色？  
Mother Green Turtle Mia feeds on seagrass and algae.  
Which role in a trophic level does she belong to?

答案 ANSWER  
初級消費者  
Primary Consumer



你能在「我們的海洋」展區中找到以上哪些生物？  
Can you find any of these marine life in the "Our Ocean" area?  
What are the animals?

答案 ANSWER  
紅斑，黃尾石鯽  
Hong Kong Grouper,  
Chinese Demoiselle