



**Australian Government**  
**Great Barrier Reef**  
**Marine Park Authority**

# Be a Marine Biologist for a Day

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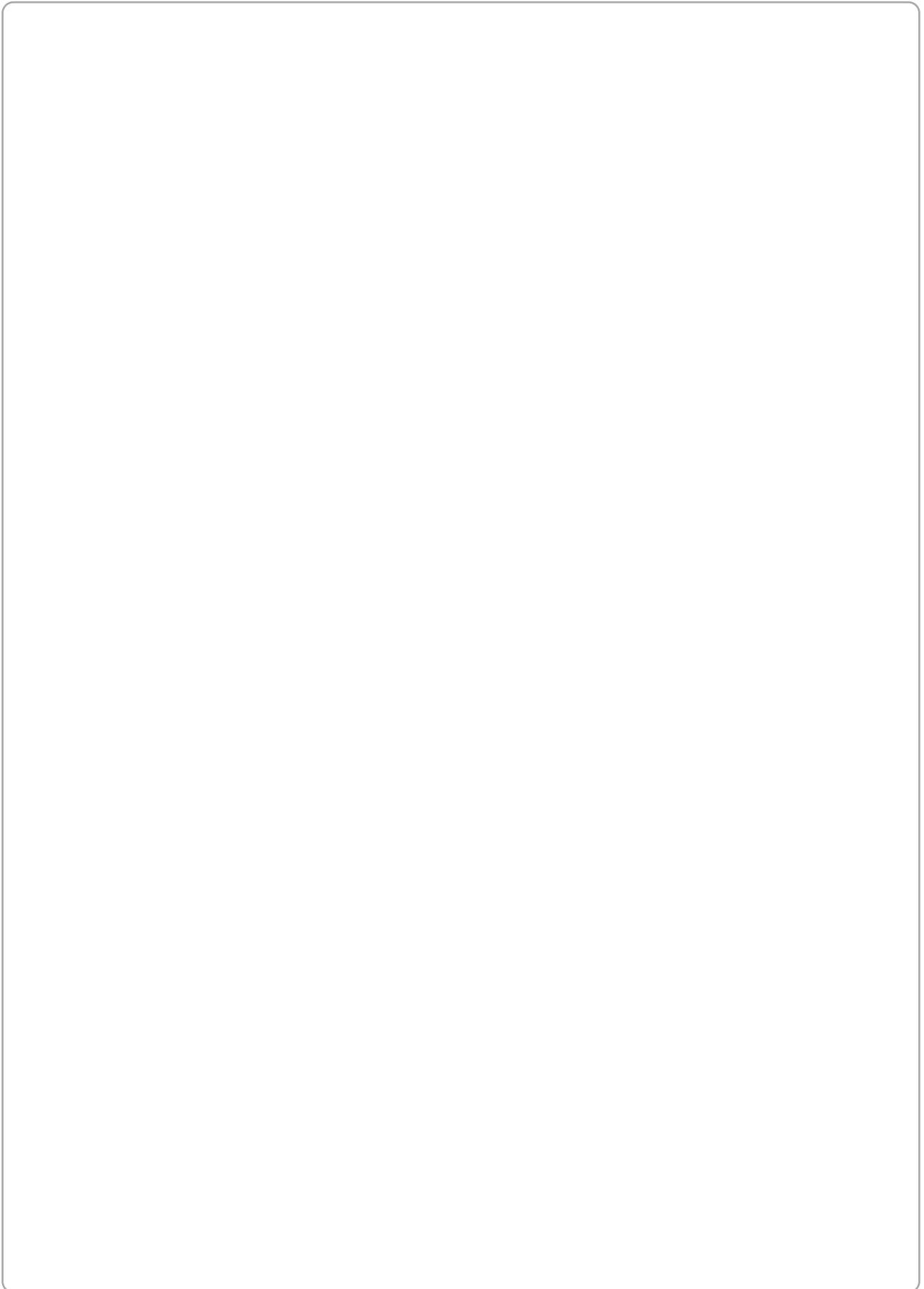
**Activity Booklet**  
**Year 6**



**NAME:**

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## How can I help the Great Barrier Reef?

A large, empty rectangular box with rounded corners, intended for students to write their answers to the question above. The box is completely blank and occupies most of the page's vertical space.

# What is citizen science?



# Sea cucumber

Draw a sea cucumber in the box below.



How do they move?



How do they breathe?



Why count sea cucumbers?





# Sea cucumber



© Commonwealth of Australia GBRMPA. Photographer: K.Goudkamp

## Names

## Tally

## Total

# Giant clam

>30cm

Draw a giant clam in the box below.



How many holes (siphons) does the mantle have?

How does the algae that lives in the mantle help the clam?

How does the giant clam help the algae in return?

# Giant clam



© Commonwealth of Australia GBRMPA. Photographer: C. Jones

## Names

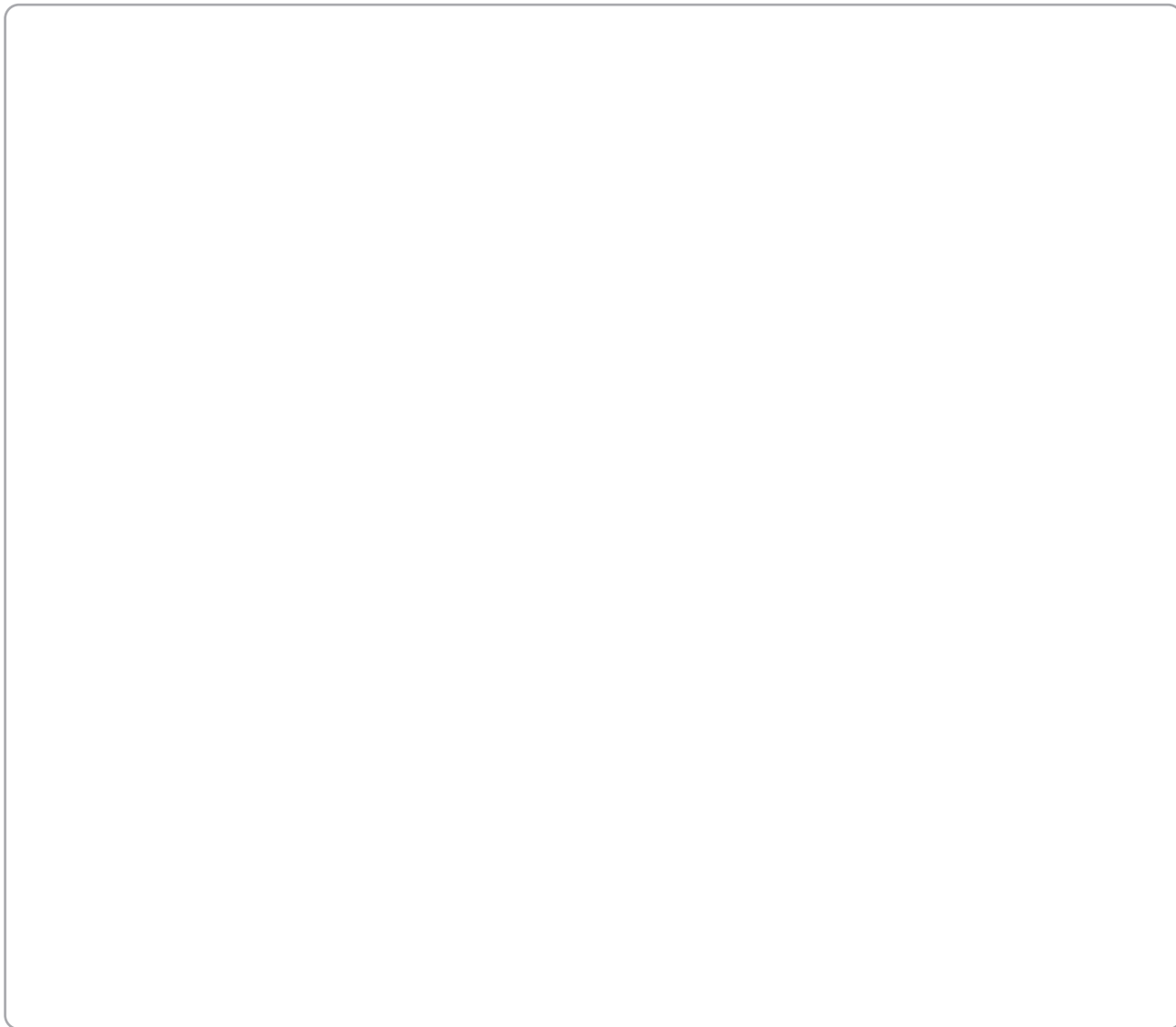
## Tally

Only those bigger than 30cm

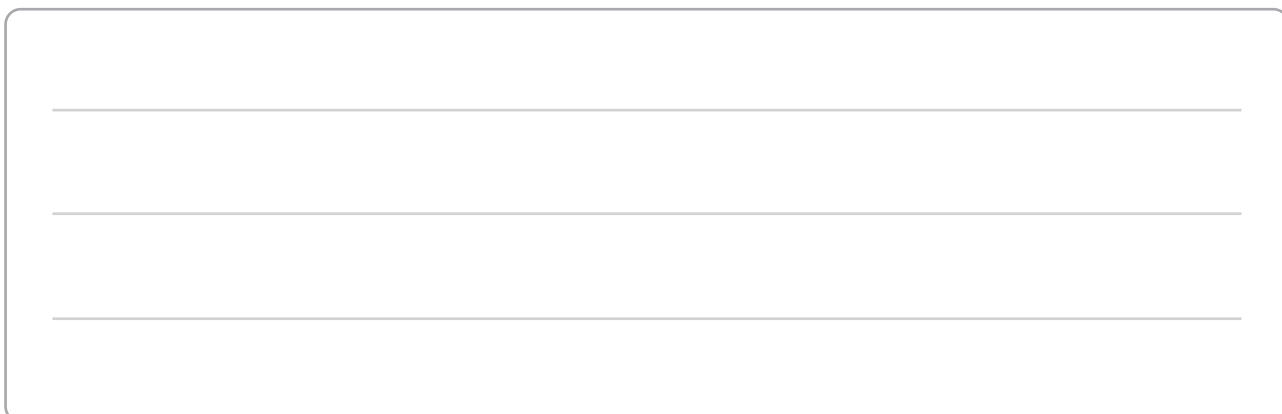
## Total

# Anemonefish

Draw an anemonefish in the box below.



Why are the anemonefish all different sizes?





# Anemonefish



© Commonwealth of Australia GBRMPA. Photographer: J. Sumerling

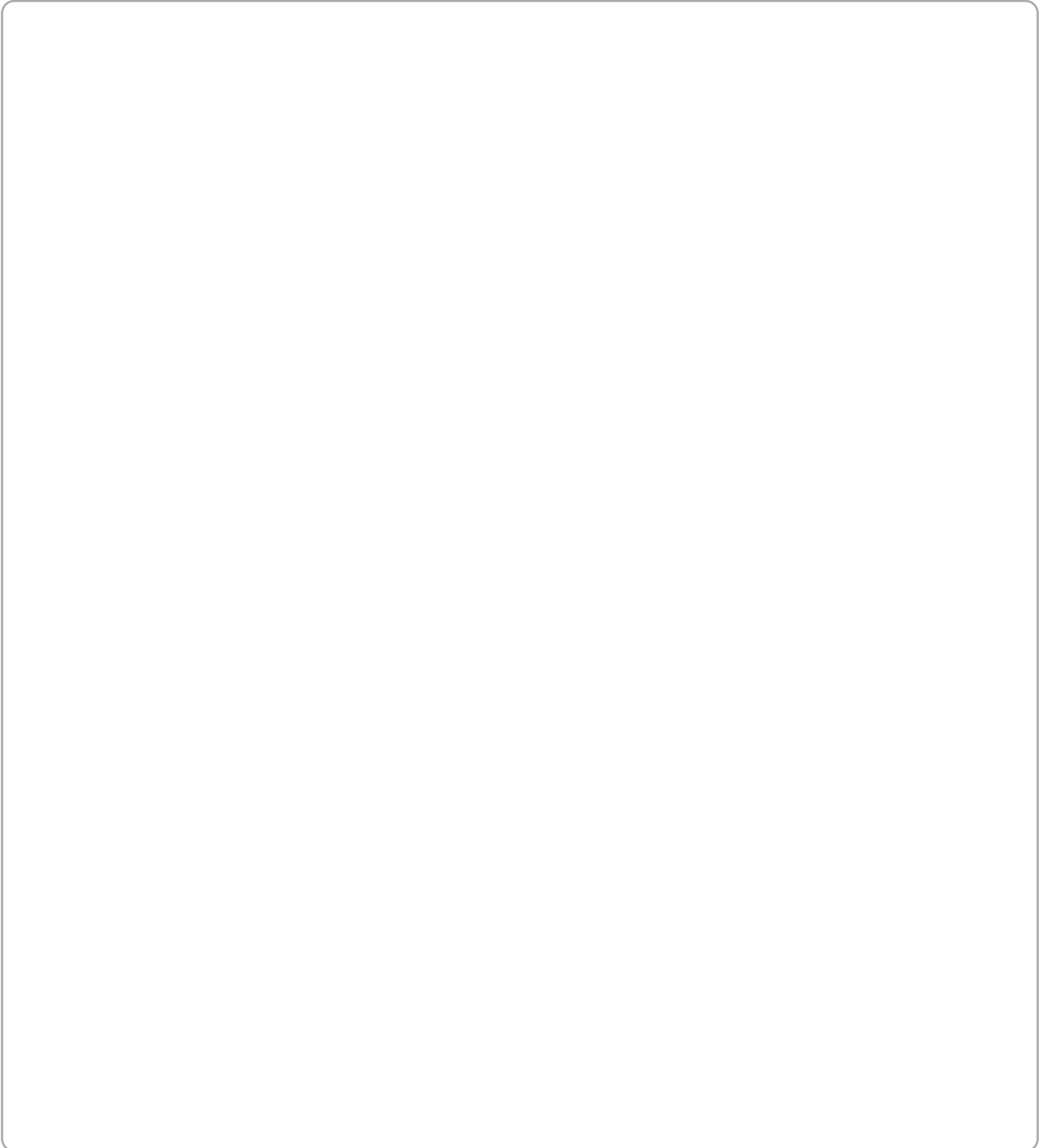
## Names

## Tally

## Total

# Butterflyfish

Draw a butterflyfish in the box below.



Some butterflyfish have a fake eye spot. Why?



# Butterflyfish



© Commonwealth of Australia GBRMPA. Photographer: J. Jones

Names

Tally

Total

# Grazing herbivores

Parrotfish / Surgeonfish / Unicornfish / Rabbitfish

Draw a grazing herbivore in the box below.



Why are they called the lawnmowers of the Reef?

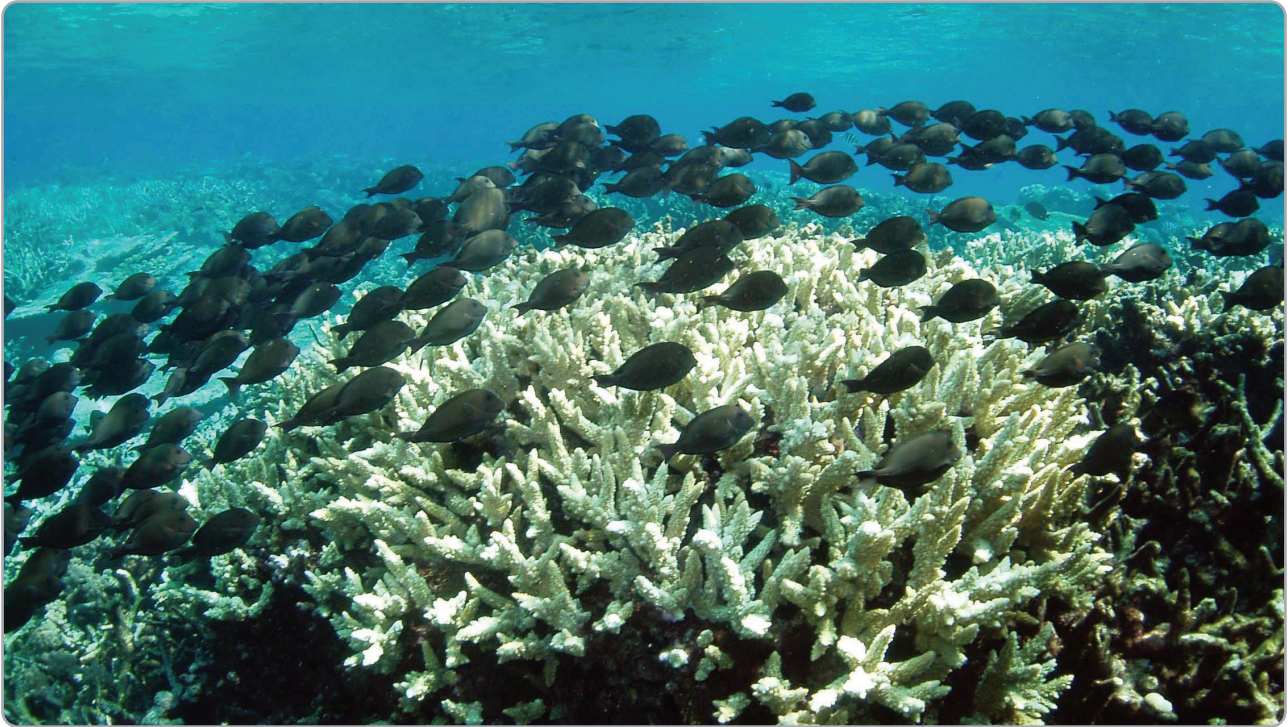


Why are some called surgeonfish?





# Grazing herbivores



© Commonwealth of Australia GBRMPA. Photographer: C. Jones

Names

Tally

Total

# Cods and groupers

>50cm

Draw a cod or grouper in the box below.



Cod and grouper are solitary animals. They live alone.  
So, what is happening when there are many in one place?



# Cods and groupers



© Commonwealth of Australia GBRMPA. Photographer: P. McGinnity

## Names

## Tally

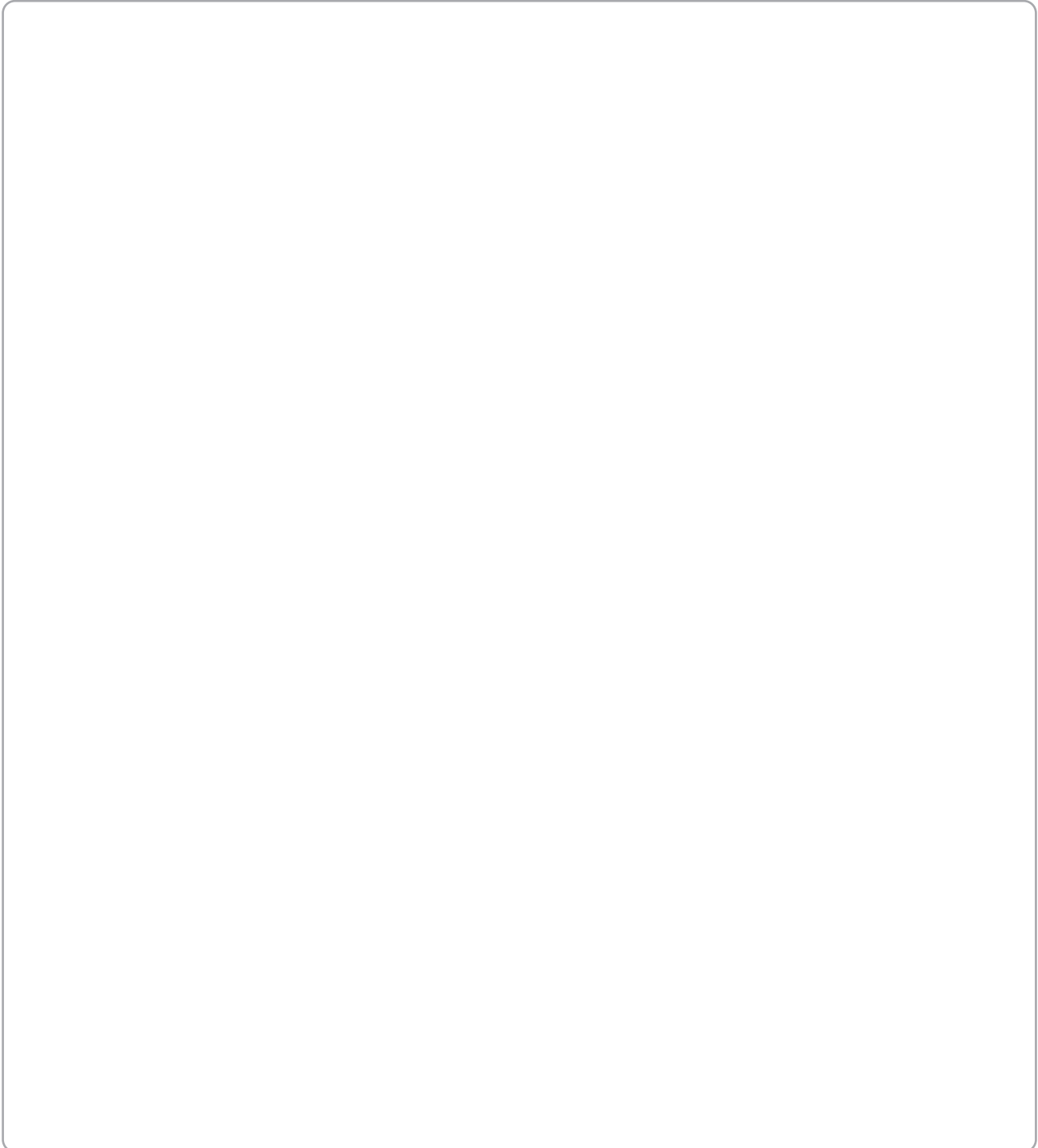
Only those bigger than 50cm

## Total

# Coral trout

<38cm / >38cm

Draw a coral trout in the box below.



Lots of people eat coral trout. What is the legal size?





# Coral trout



© Commonwealth of Australia GBRMPA. Photographer: G. Goby

## Names

## Tally

< 38cm

## Tally

> 38cm

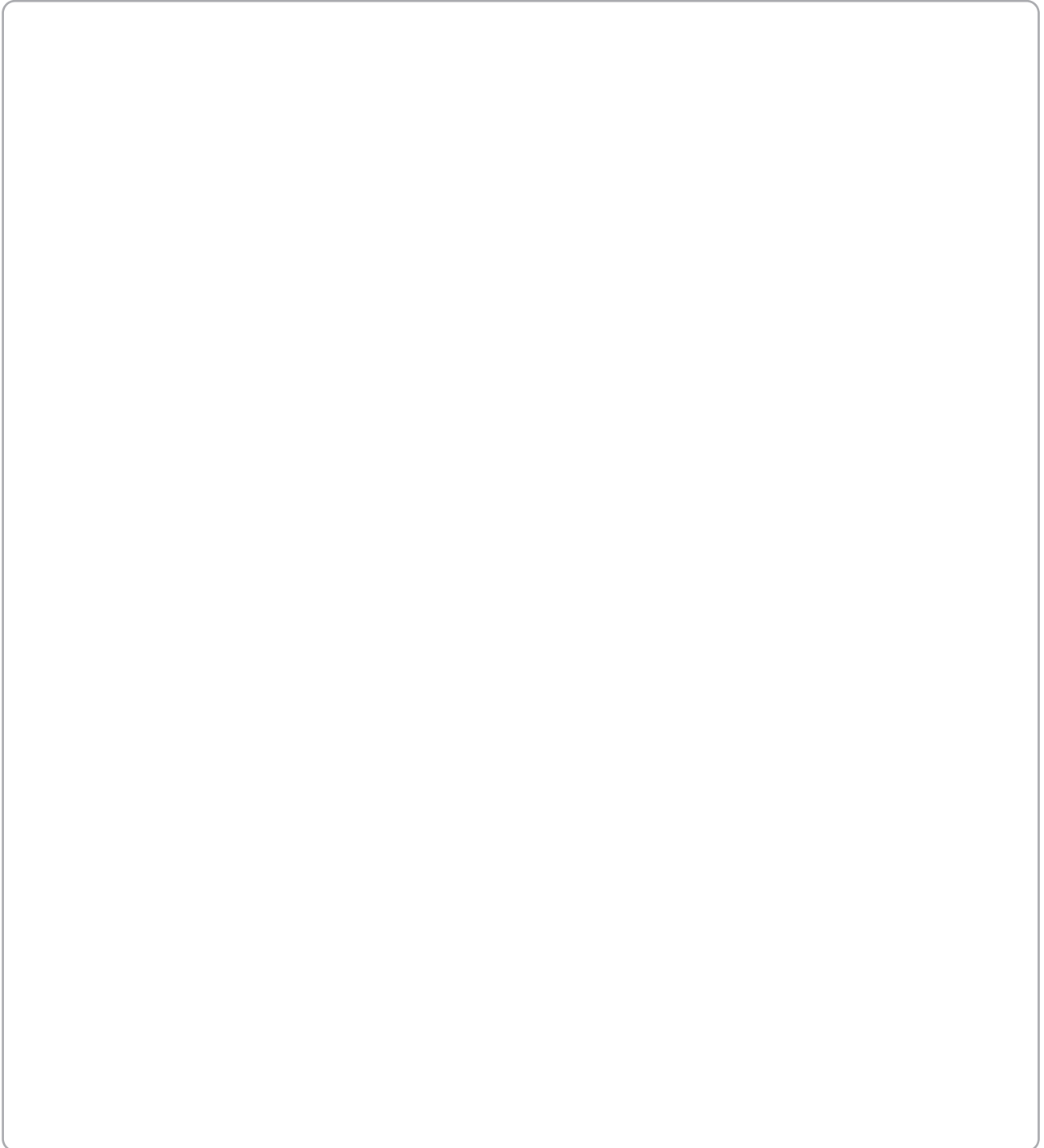
## Total

## Total

# Maori wrasse

Male / Female

Draw a male Maori wrasse in the box below.



What happens if people touch a Maori wrasse?



# Maori wrasse



© Commonwealth of Australia GBRMPA. Photographer: U. Engelhardt



© Commonwealth of Australia GBRMPA. Photographer: C. Jones

## Names

## Tally

Female

## Tally

Male

## Total

## Total

# Sea turtles

Green / Hawksbill / other

Draw a sea turtle in the box below.



When is turtle breeding season?

What is the Great Pacific Garbage Patch?

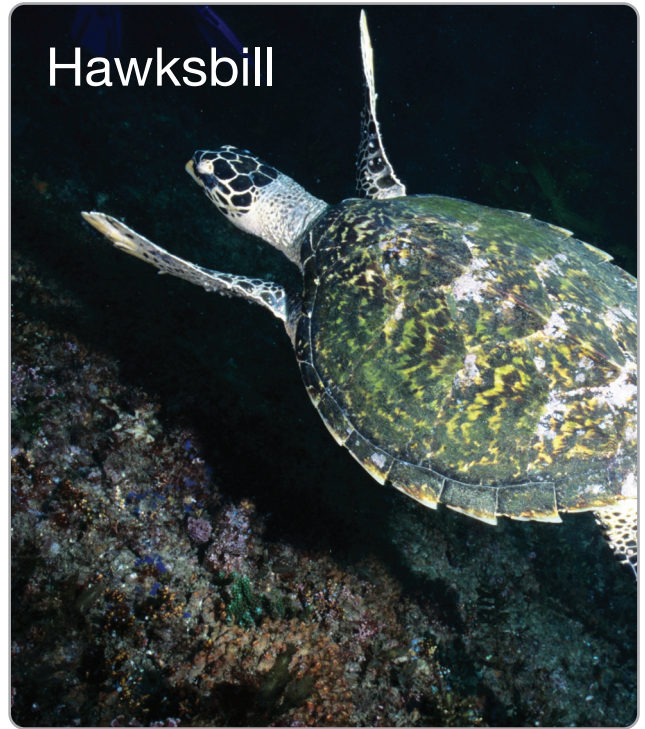
How many sea turtles are threatened with extinction?



# Sea turtles



© Commonwealth of Australia GBRMPA. Photographer: K. Hoppen



© Commonwealth of Australia GBRMPA. Photographer: K. Hoppen

## Names

Tally

Green
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Tally

Hawksbill
-----------

Tally

Other
-------

Total

Total

Total

# Sharks

Whitetip / Blacktip / other

Draw a shark in the box below.



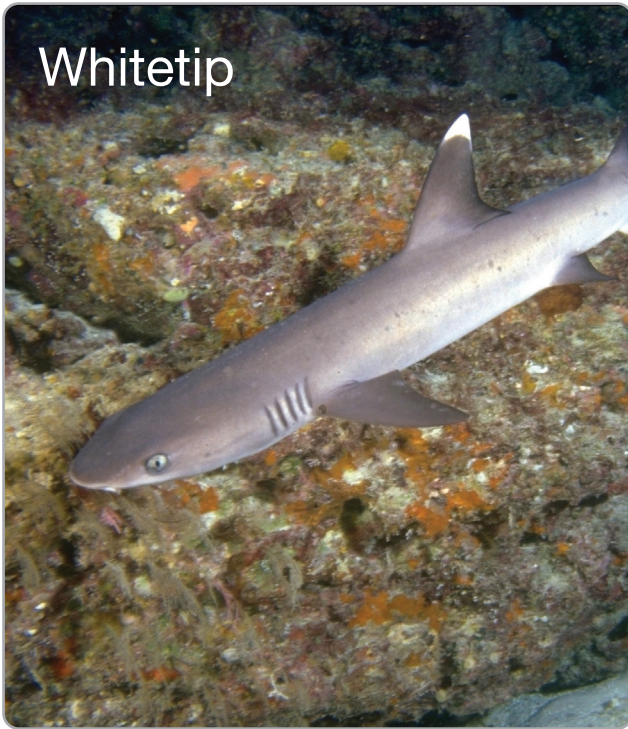
Are all sharks dangerous?



Why count sharks?

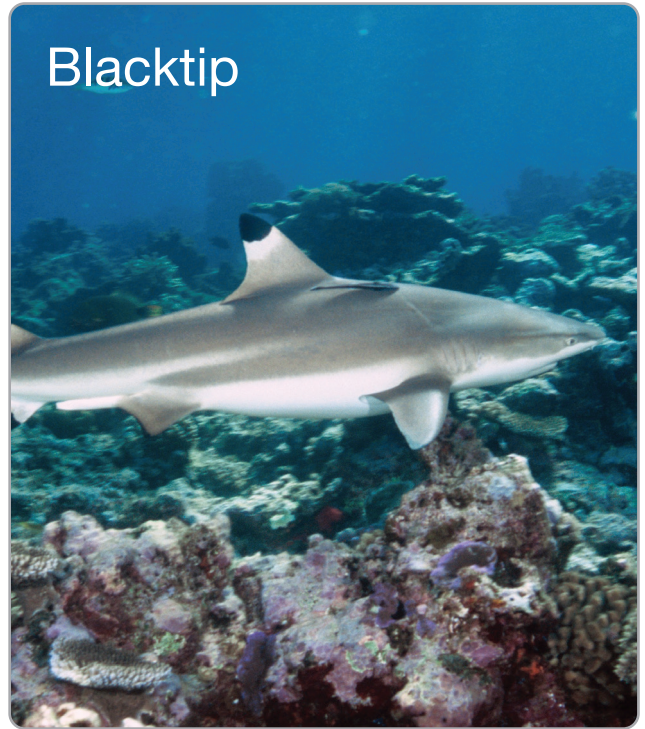


# Sharks



Whitetip

© Commonwealth of Australia GBRMPA. Photographer: T. Mayne



Blacktip

© Commonwealth of Australia GBRMPA. Photographer: K. Hoppen

## Names

Tally

Whitetip
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Tally

Blacktip
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Tally












Other
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Total

Total

Total

Complete this table with your Reef Guide after counting the animals on the reef.

Timed swim (10 minutes)		See over page for survey methodology				
ANIMALS	TALLY	TOTAL	ANIMALS	SIZE	TALLY	TOTAL
Sea cucumber <small>(all species)</small> 			Coral trout (all species) 	<38cm >38cm		
Giant clam <small>(larger than size of hand)</small> 			Maori wrasse 	SEX Male Female		
Anemonefish <small>(all species)</small> 			Turtle (all species) 	TYPE Green Turtle* Hawksbill Turtle* Other (please name)		
Butterflyfish <small>(all species)</small> 			Shark (all species) 	Whitetip reef shark Blacktip reef shark Other (please name)		
Grazing herbivores <small>See definition over page</small> 			Crown-of-thorns starfish 	Juvenile Adult		
Cods and groupers <small>(over 50cm in length)</small> 						

Complete back at school after your excursion.

***How did I help the  
Great Barrier Reef?***



Below, draw a picture or write about your day on the Reef!

A large, empty rectangular box with rounded corners, intended for a student to draw a picture or write about their day on the reef. The box is completely blank and occupies most of the page's vertical space.