

Seaweed Solutions for Sustainable Futures Worksheet



Coastcare Victoria School Kit



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Victoria



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and Climate Action

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Acknowledgements

Coastcare Victoria would like to acknowledge all our video presenters and individuals who reviewed or assisted with the creation of the Coastcare Victoria School Kit.

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Coastcare Victoria and Ocean Imaging.

Photo credit

Ocean Imaging.

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Seaweed Solutions for Sustainable Futures Quiz

1. Aunty Judy explained that seaweeds were important because they
 - a) Provide food for fish
 - b) Feed the environment
 - c) Clean the waterways
 - d) All of the above

2. Zoe talks about Aboriginal uses of seaweeds. Which of these was not listed?
 - a) Food and medicine
 - b) Building houses
 - c) Packaging products
 - d) Clothing and ceremony

3. What animals were fed seaweeds in the video?
 - a) Chickens
 - b) Cows
 - c) Pigs
 - d) Horses

4. Aunty Judy's knowledge was passed on through her
 - a) Ancestors
 - b) Friends
 - c) Grandpa
 - d) Connection to country

5. What advantage might there be in using seaweed instead of plastic?
 - a) Cheaper
 - b) Biodegrades faster
 - c) Faster to make
 - d) All of the above



6. Finish this sentence from the video. “Each piece of land has a unique _____”

- a) Smell
- b) Taste
- c) Culture
- d) Temperature

7. What did Zoe think wasn't already a big part of the Australian identity?

- a) Being beach lovers
- b) Having lots of seaweed
- c) Surfing fans
- d) Beautiful natural clean environment

8. Why did Lichen Kelp start the portable seaweed library?

- a) To keep fit
- b) There wasn't much information on the internet
- c) She wasn't much of a reader
- d) Research as a group would be more fun

9. Lichen Kelp liked to think of her portable seaweed library as a

- a) Ocean portal
- b) Wormhole
- c) Fast ride
- d) Seafood database

10. What type of food was being made from seaweed in the video?

- a) Seaweed pasta
- b) Seaweed pizza
- c) Seaweed burger
- d) Seaweed fries

Local Languages

Step 1: Who are the Traditional Owners of the lands that you are learning on today?

Step 2: Visit the [50 words project website](#) to find and write the spelling for Australian Indigenous words for these five English words in the boxes on the left.

Step 3. Use the website to listen to the pronunciation of the words. In the boxes on the right, write how these words sound to you.

Word	Australian Indigenous Spelling	Sounds Like
Hello		
Let's go		
Fish		
Water		
Sky		

Seaweed Biodiversity

1. Visit the [Port Phillip Bay Taxonomists Toolkit](#).
2. Click species and under the species group list on the left click "seaweeds and seagrasses"
3. There are three main types of seaweeds. What is the main colour of these groups?

Chlorophyta

Ochrophyta

Rhodophyta

4. Choose one seaweed species from each group and answer the following questions. You may need to click "View Scientific Details" for more information.

A)

Common name	
Scientific Name	
Phylum	
Maximum Size	
Habitat	
Diet	

B)

Common name	
Scientific Name	



Phylum	
Maximum Size	
Habitat	
Diet	

c)

Common name	
Scientific Name	
Phylum	
Maximum Size	
Habitat	
Diet	



5. What do all three species have in common?

6. Write two new words from the website and look up their definitions.



Profile Worksheet

Name:

Future Job title:

Organisation:

What might you love about this job?

Who might be a good mentor?

How might you get your job?

How could volunteering help your career?

How does sustainable thinking impact what you do?

Why is having a healthy environment important to you?

Modern Uses of Seaweed

In this investigation, you will visit the websites of several seaweed organisations to find out what seaweed species are being used, what products are being made, and the benefits of these products to people and/or the environment.

There is also a blank space for you to find information about two other organisations utilising seaweed.

Organisation	Seaweed Type	Products	Benefits
Sea Forest			
Phyco Health			
Notpla			

International Use of Edible Seaweed

Many cultures around the world have had a long history of consuming seaweed in their cuisine. In this activity, you will research the various seaweed dishes and species used from around the world.

Seaweed Name	Food Uses	Country of Origin	Seaweed type and species name
Nori			
Wakame			
Kombu			
Dulse			
Irish Moss			
Cochayuyo			



Seaweed Review Quiz

1. What are the three main seaweed groups? (3 marks)
2. What are three things that all seaweeds have in common? (3 marks)
3. Which species of seaweed grows right across southern Australia and helps form the Great Southern Reef? (1 mark)
4. Describe two ways that Aboriginal Australians traditionally used seaweed. (2 marks)
5. Describe three ways that seaweeds are being used in emerging modern industries in Australia. (3 marks)