

# Marine Discovery Quiz

## ANSWERS

### SAND

Name one of the origins of sand?

- Local Anglesea cliffs
- Marine debris (shells/crustaceans)
- Volcanic debris from all around the world

Why does some sand squeak when you walk on it?

- Your feet are forcing the air between the grains of sand to escape, as well as causing the grains of sand to rub together

What are the different colours of sand?

- White
- Red/Orange
- Black

How are particles of sand formed?

- Sand forms when rocks, marine debris and volcanic debris break down due to erosion over thousands and even millions of years.

### SEAWEED

What foods have seaweed in them?

- Ice Cream
- Jam
- Puddings
- Sushi

What items that we use daily have seaweed in them?

- Toothpaste
- Chewing Gum

What does seaweed provide?

- It provides 80% of the oxygen that we need to breathe!!

How does seaweed get its food?

- Seaweed drinks in sunlight to produce its own food
- **BONUS POINT** if you know what this process is called!
  - Photosynthesis

What is photosynthesis?

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- The process that plants use to create their own food. They need sunlight and water to produce their food.

What are the main colours of seaweed?

- Red
- Green
- Brown (Kelp)

What is red seaweed used for?

- A thickening agent
- It can be found in jam, puddings and chewing gum

## CUTTLEFISH

Are cuttlefish classified as fish or octopus?

- They are part of the octopus and squid family

How many hearts do cuttlefish have?

- 3!

What is another use for cuttlefish?

- Birds love to peck at cuttlefish to help sharpen their beaks!

How many eggs do female cuttlefish produce in a litter?

- Between 200 and 500 eggs

How do cuttlefish protect themselves?

- They find a nearby rock or seaweed to camouflage with, so their predators can't find them

## SHELLS

Draw and/or name the difference between a herbivore and a carnivore?

- A herbivore is an animal that only feeds on plants, whereas a carnivore feeds on the meat of other animals!

How does filter feeding work?

- Some herbivorous shells hover above a rock or the seabed so water flows underneath them. Here they can filter out the bits of plants and algae that they want to munch on!

How does a carnivore eat its prey?

- They use their tongues, also called a radular, to drill holes into other shells to eat the animal inside.

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### SPONGE

Are sponges animals or plants?

- Animals!

How do sea sponges get their food?

- They feed on bacteria and plant particles that flow through their body with the water

What other purposes can sea sponges be used for?

- Bathing
- Cosmetics
- Car wash
- Dishwashing

### SHARKS

What are baby sharks called?

- Pups

What percent of sharks lay their eggs?

- 40% of sharks lay their eggs!

What do sharks attach their eggs too?

- Sharks dig their eggs into the sand or connect them to seaweed to give them extra protection from predators

Name as many species of sharks as you can:

- Great white shark
- Gummy shark
- Tiger shark
- Reef shark
- Bronze Whaler shark
- Port Jackson shark
- .....plus, many more!!

Approximately how many teeth does a shark go through in it's lifetime?

- 30,000 teeth!