

## **Coral Reefs and Sustainability Knowledge Review**

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Year: \_\_\_\_\_

### **Knowledge Review Instructions:**

1. Complete all the questions (unless instructed otherwise by your teacher) using a pen or pencil in the time allocated by the teacher.
2. Answer the questions as best as you can, for some of the questions there is NO right or wrong answer!
3. Do not talk to other students whilst answering the questions.





## Coral Reefs and their Marine Families

1. Is coral an animal or plant? *(Please circle the correct answer).*

☒ Animal

☐ Plant

2. Answer the following questions about where coral reefs can survive. *(Please circle the correct answer).*

Can coral reefs live in very cold water?

Yes

☒ No

Can coral reefs live in very nutrient rich waters?

Yes

☒ No

Can coral reefs live where there is very little sunlight?

Yes

☒ No

3. What is the largest coral reef system in the world called and where is it?

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**Great Barrier Reef - NE coast**

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4. Which of the following best defines 'zooxanthellae'? *(Please tick the correct box).*

- A fish with special eyes called thellae that lives on coral reefs. ☐
- Tiny, microscopic, algae that lives inside corals and provides them with much of their energy. ☐
- A tiny zoo for performing ants. ☐

5. Which of the following best defines 'coral reef ecosystem'? *(Please tick the correct box).*

- A system within a coral reef that is ecologically independent from all other systems ☐
- The interaction between animals and plants within a coral reef system ☒
- The system that provides coral reefs with all their energy needs ☐





6. Which of the following best defines 'sedimentation'?

- The process where sediments or suspended water particles enter the water making it murky ☐
- The process in which underwater plants make energy from sunlight ☐
- When sediments transform into large clumps of dirt that marine animals choke on ☐

7. Can you identify the following marine creatures? (*Write in the spaces provided below*).



\_\_\_\_\_

8. Which is your favourite marine creature and why?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

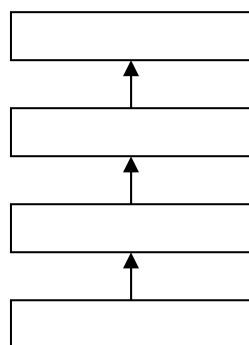
9. Can you place the following marine creatures in the correct boxes in the food web starting with the smallest at the bottom?

Coral Trout

Sharks

Algae

Parrotfish





10. What is one of the roles parrotfish, clownfish and butterflyfish play in a coral reef ecosystem to help keep it healthy?

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11. Name 2 ways in which humans use coral reefs.

a). \_\_\_\_\_

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b). \_\_\_\_\_

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12. Which of the following are negatively impacting coral reefs and their ecosystems around the world today? (*Circle the correct answers*).

- Oil Spills      Rising sea temperatures      Bleeting      Coral Disease  
Sennetation      Rubbish in waterways      Lawn Mowing      Burning of fossil fuels

13. Which of the following best defines 'sustainability'? (*Please tick the correct box*).

- Using natural resources in a way that allows everyone the same quality of life ☐
- Using the environment and natural resources in a manner that can be can be maintained at a certain level indefinitely ☐
- Using natural resources and the environment in a way that means they are no longer available for future generations ☐

14. What 2 actions have you undertaken (or will be undertaking) to help protect coral reefs?

a). \_\_\_\_\_

b). \_\_\_\_\_

15. What do you think would be the worst thing if coral reefs became extinct and disappeared completely?

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