

## The Great Barrier Reef

Score: \_\_\_\_\_

1. Where is Great Barrier Reef (GBR) located in Australia?

- ☐ A South of Queensland off the Eastern coastline of Australia
- ☐ B The Great Barrier Reef is in the Coral Sea, on Australia's north-eastern coast.
- ☐ C The Northern Territory of Australia
- ☐ D Western Australia



2. Do you know who made the first recorded "discovery" of the Great Barrier Reef?

- ☐ A Captain James Cook
- ☐ B Captain William Bligh
- ☐ C Matthew Flinders



3. What does the Great Barrier Reef contain that makes it a popular site for millions of tourists every year?

- ☐ A magnificent whale populations
- ☐ B fantastic shipwreck artifacts
- ☐ C spectacular coral reefs



4. The more south you head from the Great Barrier Reef, the more the shelf narrows and the reefs disappear. Why doesn't coral grow in these parts?

- ☐ A because the low temperature is unsuited to coral growth
- ☐ B because there is too much water pollution in these areas
- ☐ C because it keeps getting eaten away by predatory schools of fish



5. How many species of fish live in the Great Barrier Reef?

- ☐ A 100
- ☐ B 500
- ☐ C 1000
- ☐ D over 1625



6. The Great Barrier Reef is so big that astronauts can see it while they are in space?

- ☐ A True
- ☐ B False



7. The Great Barrier Reef is greater in size than Tasmania and Victoria combined. It is about the same size as Japan, Italy or Germany!

- ☐ A True
- ☐ B False



8. That Great Barrier Reef consists of \_\_\_\_ coral reefs and \_\_\_\_ continental islands.

- ☐ A 200 and 400
- ☐ B 3000 and 600
- ☐ C 100 and 50
- ☐ D 1000 and 500



9. How many kilometers long is the Great Barrier Reef?

- ☐ A 2300km
- ☐ B 640km
- ☐ C 3200km
- ☐ D 100 km



10. The Great Barrier Reef is the largest coral reef ecosystem in the entire world and also the world's largest living structure?

- ☐ A True
- ☐ B False



11. What body of water surrounds the Great Barrier Reef?

- ☐ A South Pacific Ocean
- ☐ B Tasman Sea
- ☐ C Gulf of Carpentaria
- ☐ D Coral Sea



12. What do most scientists agree is the biggest threat to coral reefs around the world?

- ☐ A Water quality
- ☐ B Climate change
- ☐ C Tourism
- ☐ D Fishing



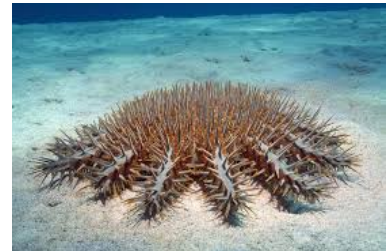
13. What phenomenon occurs to coral when water temperature, sunlight and salinity conditions change?

- ☐ A Coral bleaching
- ☐ B White plague disease
- ☐ C Coral breakdown
- ☐ D Coralline lethal disease



14. The outbreak of which creature has been considered a threat to the Great Barrier Reef?

- ☐ A Northern Pacific seastar
- ☐ B Black striped mussel
- ☐ C Crown-of-thorns starfish
- ☐ D Box jellyfish



15. What marine mammal has the majority of its population on the Great Barrier Reef?

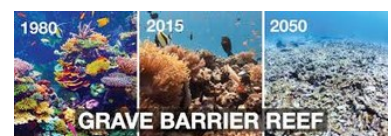
- ☐ A Humpback Whale
- ☐ B Dugong
- ☐ C Australian Sea Lion
- ☐ D Great White Shark



16. Fill the Gap:

Corals are very sensitive to \_\_\_\_\_, evidenced by the dying of coral, known as \_\_\_\_\_.

- ☐ A cooler temperatures, coral bleaching.
- ☐ B increasing water temperatures, coral bleaching



**17. Pesticide or fertiliser runoff, especially after extensive flooding, as happened in Queensland over January, can impact the reef ecosystem. These impacts include;-**

- ☐ A chemical and pesticide pollution
- ☐ B increase in algae as a result of increased nutrients in water
- ☐ C litter (plastics and other debris which affect sea animals)
- ☐ D All of the Above



**18. What is the major impact that unmonitored tourism can have on the reef?**

- ☐ A Water pollution - litter, diesel from boats
- ☐ B Trampling and direct damage to the coral
- ☐ C Destruction of sensitive areas though overfishing
- ☐ D All of the above



**19. Which of the following are both natural threats to coral reefs?**

- ☐ A Cyclones and agriculture.
- ☐ B Tourism and the crown-of-thorns starfish.
- ☐ C Cyclones and tourism.
- ☐ D Cyclones and the crown-of-thorns starfish.



**20. Which of the following are both human threats to the Great Barrier Reef?**

- ☐ A Cyclones and tourism.
- ☐ B Fishing and tourism.
- ☐ C Tsunamis and cyclones.
- ☐ D Cyclones and fishing.



**21. The Crown of Thorns Starfish (COTS), is a major problem facing the Great Barrier Reef, as the star fish feed off coral. List two new ways scientists are trying to control the numbers of Crown of Thorn Starfish.**

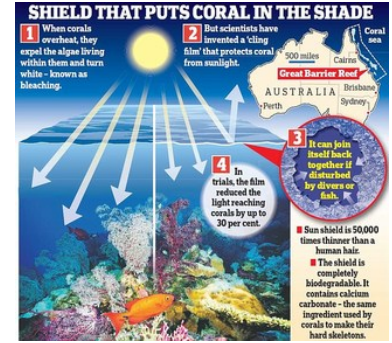
- ☐ A physically removing the COTS by employing more divers
- ☐ B robot starfish terminators (COTBOTS) and giant underwater snails (Tritans)
- ☐ C protective sun sunscreens to shield coral from bleaching
- ☐ D All of the Above





22. This new technology is only in the development stages, but is showing promise as a potential weapon in the fight to protect the GBR from the impacts of coral bleaching.

- ☐ A Robot starfish terminators and giant underwater snails.
- ☐ B A protective film that can be sprayed on water to shield coral against the sun.
- ☐ C Both of the above



23. How do humans damage coral reefs?

- ☐ A Pollution
- ☐ B Overfishing
- ☐ C Bumping into them with boats
- ☐ D Touching them
- ☐ E All of the above



24. What is/are the benefit(s) of coral reefs?

- ☐ A Protecting coastal areas from erosion
- ☐ B Its porous limestone skeleton is used as a material for human bone grafts
- ☐ C Treatment of HIV, cardiovascular diseases and other diseases
- ☐ D All of the above



25. Coral reefs often known as the “rainforests of the seas” – are one of the most bio-diverse habitats on the planet.

- ☐ A True
- ☐ B False

