

Pre – workshop questionnaire

Participant code: _____ Date: _____

Section 1 - Marine conservation

Please circle **ONLY** one of the options.

1 – What is Marine Conservation?

- a) The protection and restoration of marine species and their habitat in oceans and seas worldwide.
- b) The protection of fish populations in the oceans and seas worldwide.
- c) The management of all human activities in the oceans and seas worldwide.
- d) The preservation of vulnerable marine mammal species in the oceans and seas worldwide.

2 – Marine life faces many different threats. Please write down **SIX** examples of these threats that you know of.

1 - _____ 2 - _____

3 - _____ 4 - _____

5 - _____ 6 - _____

3 – Marine ecosystems have a high salt content and are characterized by the biological community of organisms that they are associated with and their physical environment. Which of the options is **NOT** a marine Ecosystem?

- a) Saltmarshes
- b) Mangroves
- c) Coral reefs
- d) Pelagic ocean
- e) Deep sea
- f) Wetlands

Section 2 – Marine Protected Areas

1 – A Marine Protected Area (MPA) can have different levels of protection. Which option best describes the level of protection for the Ponta Partial Marine Reserve (PPMR)?

- a) A no take zone for fishing.
- b) An area in which human activities are restricted and managed.
- c) An area in which NO human activities are allowed.
- d) None of the above.

2 – What type of protected area is the Ponta Partial Marine Reserve (PPMR)?

- a) Marine sanctuary
- b) No take zone
- c) High Seas Marine Protected Area
- d) Marine Protected Area
- e) Marine Biosphere Reserve
- f) None of the above

3 – When was the PPMR implemented?

- a) 2008
- b) 2009
- c) 2010
- d) 2011

4 – The PPMR extends offshore to:

- a) 3 kilometers
- b) 3 nautical miles
- c) 4 kilometers
- d) 6 nautical miles

5 – What is a World Heritage Site?

- a) Is a landmark or area that has cultural, scientific, historical or other significance and is legally protected by international treaties.
- b) Is a landmark or area that has cultural, scientific, historical or other significance and is protected by the government.
- c) Is a landmark or area that has environmental significance and is legally protected by the international treaties.
- d) Is a landmark or area that has environmental significance and is legally protected by the government.

6 – Does Mozambique have a World Heritage Site?

- a) Yes
- b) Not sure
- c) No

7 – Is the PPMR a World Heritage Site?

- a) Yes
- b) Not sure
- c) No

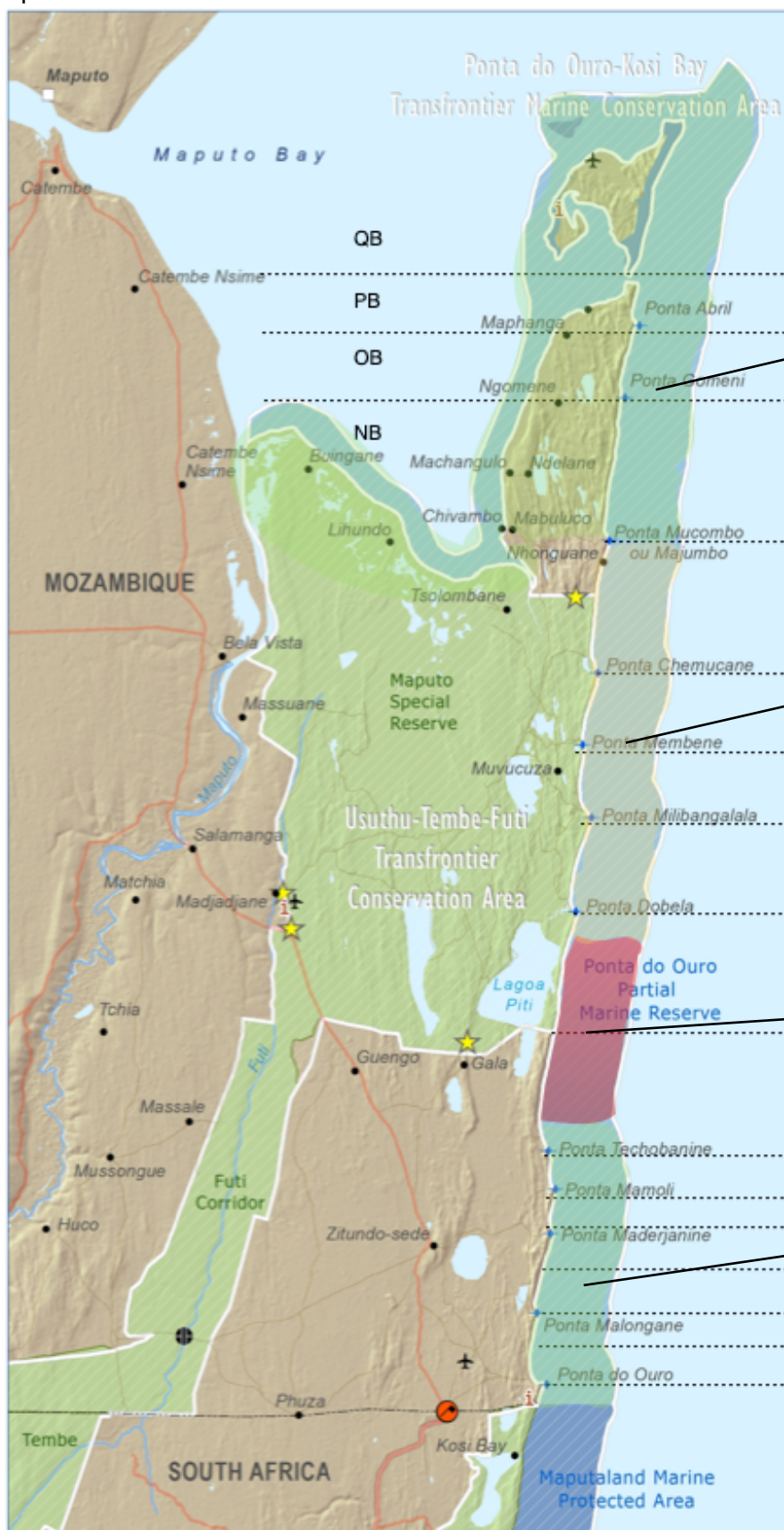
8 – What does EAME stand for?

- a) Eastern African Movement for Education
- b) Eastern African Management for the Environment
- c) Eastern African Marine Ecoregion
- d) Ecoregion for African Marine Education

9 – Is Mozambique part of the EAME?

- a) Yes
- b) Not sure
- c) No

10 – Below is a map of the Ponta Partial Marine Reserve indicating the different zones. Put the number of the respective zone type in each box. Attention, one zone type will repeat.



1 - Multiple use zone

2 - Restricted zone

3 - Marine sanctuary

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Section 3 – Ecotourism

Ecotourism means responsible travel to natural areas, conserving the environment, and improving the well-being of the local people.

Please indicate your level of agreement to the following sentences that describe ecotourism:

	Disagree	Not sure	Agree
Must include an educational component			
Advocates that educational briefings on tour ensure tourists satisfaction			
Increases tourist knowledge and awareness			
Offers environmental education to the participant that creates a pro-environmental behaviour			
Teaches humans to care for the environment			
Promotes that learning leads to liking which leads to taking action			
Leisure should not be serious, so should not include education			
Tourists want more information			
Has guides that provide information and orientation			
Wildlife encounters contribute to the conservation education of tourists			
Must persuade tourists to undertake environmental actions			
Provides tourists with the guidelines for a safe activity			
Promotes health and welfare of the animals that are observed and interacted with			
Manages the impacts of tourists' behaviour on site			
Ensures the wellbeing of local people			
Believes that it is the operator's responsibility to conserve the environment			

Section 4 – Cetacean based tourism

Please indicate if the following sentences are TRUE or FALSE:

	True	False
Cetaceans are dolphins, whales, whale sharks and porpoises		
Cetaceans are dolphins, whales and porpoises		
Human-cetacean interactions can have negative impacts to the animals		
Interaction can cause disruption to the animal's natural behavior		
Feeding wild cetaceans is a sustainable practice		
Swimming with wild dolphins is allowed worldwide		
Can be regulated through voluntary codes of conduct		
Visiting a "dolphinarium" is considered cetacean based tourism		
Only wild encounters are considered cetacean based tourism		
Observing from land is not cetacean based tourism		
It is legal to hunt dolphins in Mozambique		
In Mozambique, only licensed operators can approach wild dolphins		
In Mozambique it is illegal to approach cetaceans within 100m		

Section 5 – Cetacean based tourism (CBT) in the Ponta Partial Marine Reserve

Please indicate if the following sentences are TRUE or FALSE:

	True	False
The PPMR has regulations for CBT		
Only licensed operators can approach cetaceans		
The code of conduct is not mandatory		
The code includes whale sharks		
Feeding animals is allowed		
There is no limit to the number of boats that can be with a group of dolphins at the same time		
Any boat may change speed to keep up with the dolphins		
There is a voluntary code of conduct for the peak season		
There is no limit to the number of licensed operators		
Only 12 swimmers are allowed in water with the dolphins, at a time		
Kayakers and beach swimmers can approach cetaceans		
If unauthorized, boaters and swimmers must not come within 300m of the animals		

Section 6 – Health and safety protocols

Health and safety protocols are important to ensure that both humans and animals involved in the activities are safe at all times

Please indicate your level of agreement to the following sentences:

	Disagree	Not sure	Agree
An indemnity form must be signed individually			
Participants must be informed of the level of roughness of the experience prior to booking			
If a person had recent health issues that are considered serious (surgery, car accident injuries etc) these must be informed			
A person with limited mobility (wheel chair) should not participate			
Clients must notify on their swimming capabilities			
Children under 12 years old must be accompanied all times when in water			
No unsupervised minors (<18 years old) allowed onboard			
No children under 3 years of age			
No selfie-sticks allowed onboard or in the water			
Clients must keep their lifejacket on whenever they are onboard			
To climb onboard use the gap between the engines			
Clients can stand while the boat is driving			

Section 7 – Cultural and historical knowledge of the PPMR and Mozambique

Please indicate if the following sentences are TRUE or FALSE:

	True	False
Mozambique became independent in 1975		
Mozambique has borders with South Africa, Swaziland, Zambia, Malawi, Tanzania and Zimbabwe		
There was a civil war which ended with a peace treaty in 1992		
Mozambique's population is over 20 million		
Most practiced religion is Muslim		
Mozambique has the longest coastline of any continental African country		
Ponta do Ouro is the southern most town of Mozambique		
Ponta do Ouro is about 15km from the closest South African border		

Section 8 – Animal biology

While booking, during the pre-briefing or on the boat trip clients will present questions about the animals they might observe/interact with.

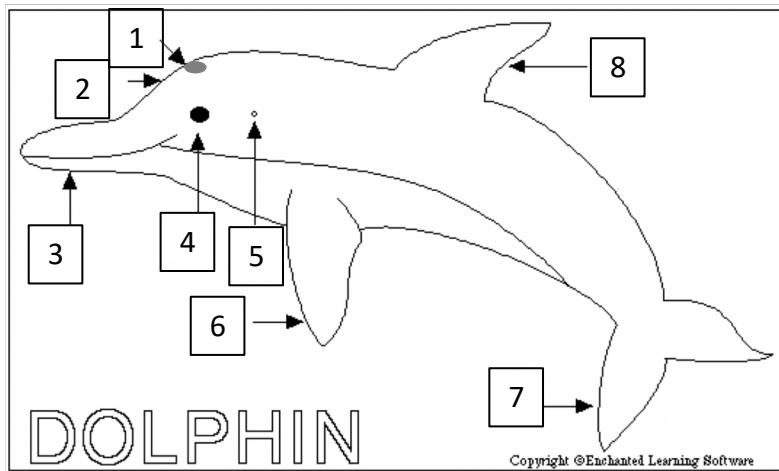
1 – Choose from the options below the 4 most commonly sighted species of dolphins, in the PPMR:

Inshore bottlenose dolphin
Striped dolphin
Pantropical spotted dolphin
Common dolphin
Spinner dolphin

Hector's dolphin
Indo-Pacific humpback dolphin
Fraser's dolphin
Dusky dolphins
Killer whale

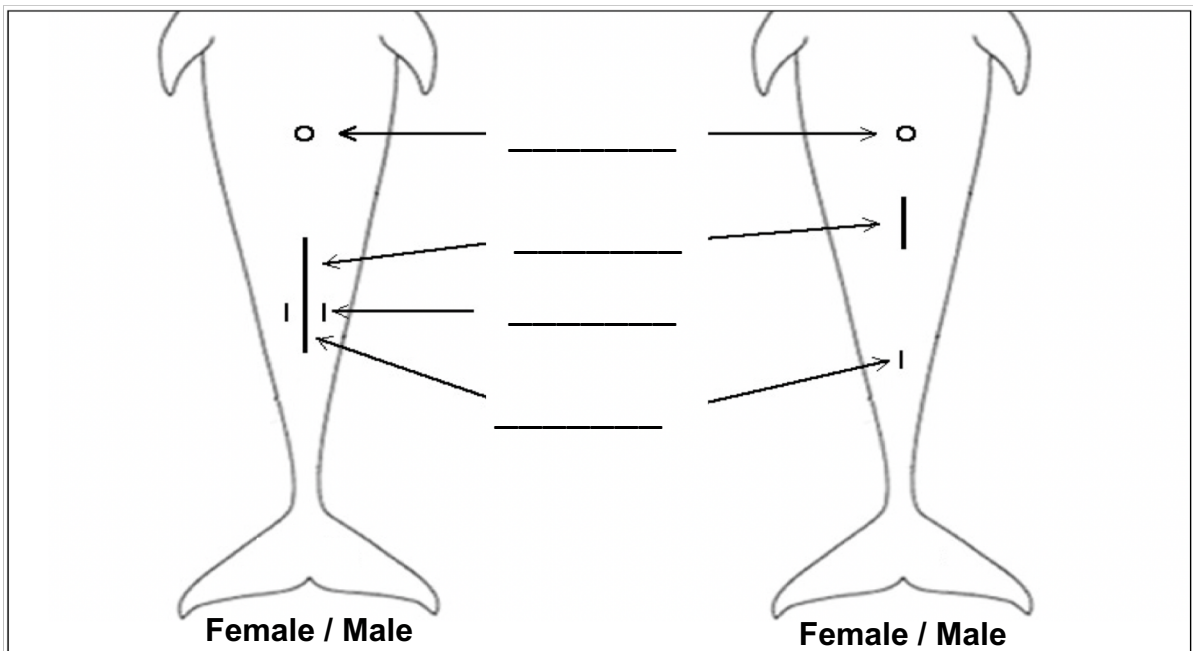
2 – Based on your knowledge of the species that is most commonly swam with in the reserve, please indicate if the following sentences are TRUE or FALSE:	True	Not sure	False
Dolphins mate for life			
Can live up to 50 years			
Prefer coastal waters			
Live in resident populations			
Dolphin have strong social relationships (bonds)			
Group size increases with water depth			
Do not have a daily activity cycle			
Gestation period is 9 months			
Do not have a breeding season			
Females breed every two years			
Females nursing period can be from 3 to 5 years			
Mothers and offspring sleep much less in the first months after birth			
Males and females reach sexual maturity at the same age			
Are top level predators			
Are carnivorous			
Dolphins do not have vocal cords			
Communicate through whistles			
When dolphins sleep they rest half of their brain at a time and keep the eye on the same side closed.			
Dolphins have good sense of smell			
Can see both underwater and on the surface			
Can be identified by their flukes			
Can be identified by their dorsal fins			7

3 – Complete the legend with the name of the body part that each arrow is pointing at:



- 1 - _____
- 2 - _____
- 3 - _____
- 4 - _____
- 5 - _____
- 6 - _____
- 7 - _____
- 8 - _____

4 – Complete the legend below and identify, which diagram represents a female and which represents a male.

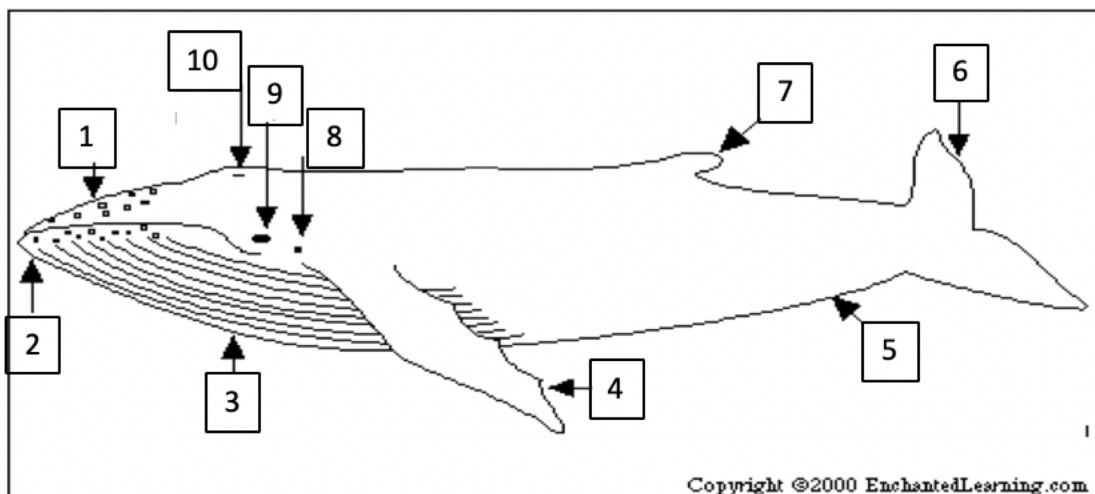


5 – You have found a dolphin group and assess their behavior to decide if humans can enter the water. Please indicate which of the below behaviors would result in humans entering the water:	Yes	Not sure	No
Dolphins approach and bow ride but move away as soon as boat speed reduces			
Dolphins swimming in a straight line, close together and taking long periods to surface			
Group repeatedly changing direction			
Tail slapping on the surface			
Presence of individuals with 1/3 of the adult body size			
Animals showing fast erratic movement			
Animals appear to be resting			
Animals appear to be hunting			
Presence of a newborn			
Animals increase speed of travel			
Animals spending long periods underwater at the same location			
Animals appear to be engaged in sexual behavior			
Only 1 or 2 animals present			
Only 1 pair of mother and calf present			

6 – Based in your knowledge of the humpback whale, please indicate if the following sentences are TRUE or FALSE:	True	Not sure	False
Are resident animals			
This is a mating ground for them			
Only seen from June to October			
Are solitary, non sociable creatures			
Don't eat during their migration			
When a whale is tail slapping it is an aggressive behavior			
Whales can communicate through body language			
Can grow up to 30 meters			
Can hold their breath for up to 45 minutes			
Have teeth			
Have 2 blowholes			
Their flukes work as fingerprints			
Have a diet based on small prey			
Eat all year around			

6 – (Continuation) – Based in your knowledge of the humpback whale, please indicate if the following sentences are TRUE or FALSE:	True	Not sure	False
They can live up to 50 years of age			
They have the longest flippers of all whales			
Calves can drink up to 1000 liters of milk per day			
Mate for life			
Their gestation has a duration of 11 to 12 months			
Noise pollution is a threat to these whales			
Commercial whaling is permitted in Mozambican waters			
This species is highly endangered			
Overfishing is not a threat to whales			
The whale song is produced through their blowholes			
Whales can sing for up to 24 hours at a time			
Mozambique is part of the Indian Ocean Whale Sanctuary			
Mozambique is part of the Southern Ocean Whale Sanctuary			

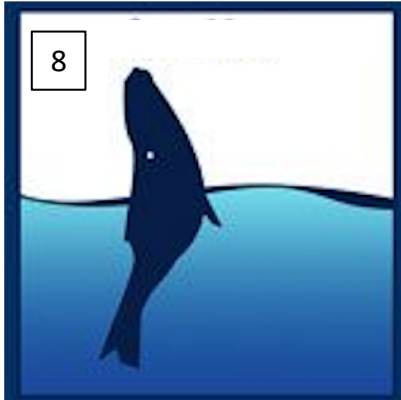
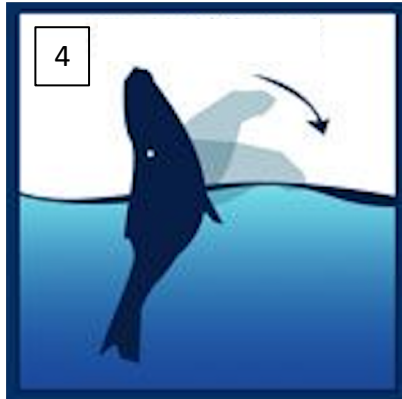
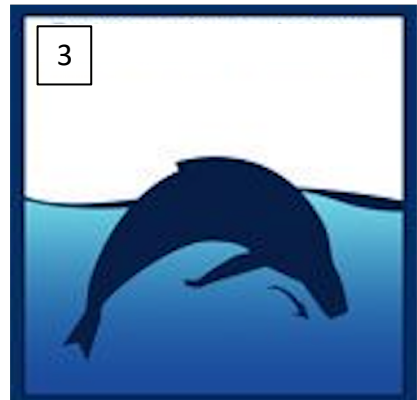
7 – Complete the legend with the name of the body part that each arrow is pointing at:



- 1 - _____
- 2 - _____
- 3 - _____
- 4 - _____
- 5 - _____

- 6 - _____
- 7 - _____
- 8 - _____
- 9 - _____
- 10 - _____

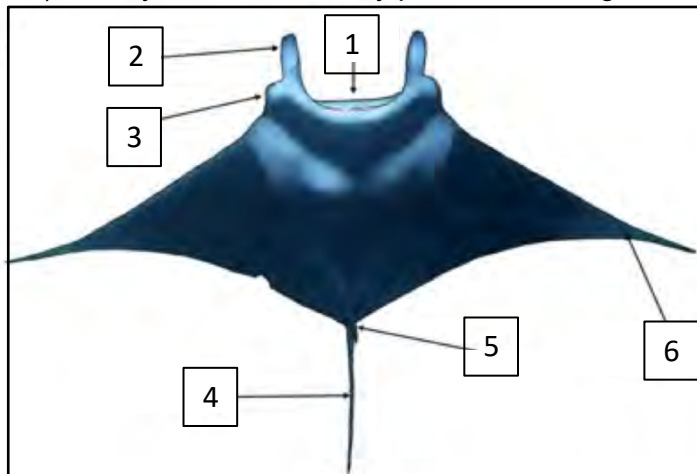
8 – Complete the legend with each whale behavior represented in the diagrams.



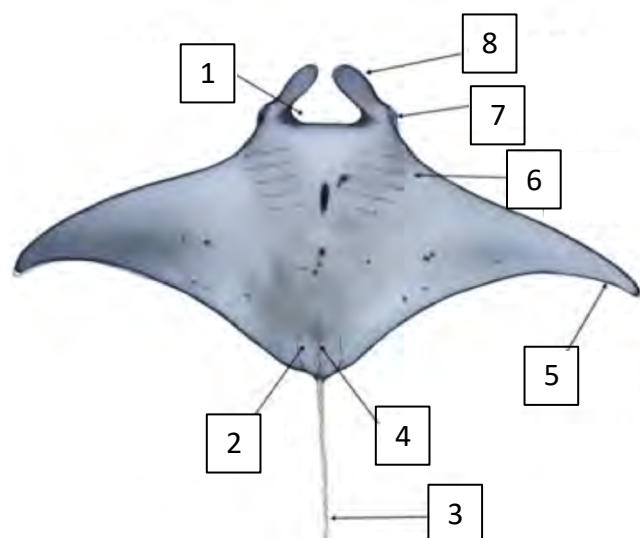
- 1 - _____
- 2 - _____
- 3 - _____
- 4 - _____
- 5 - _____
- 6 - _____
- 7 - _____
- 8 - _____
- 9 - _____
- 10 - _____

9 – There are various species of rays that can be found in this area. When a Manta ray is sighted, participants often attempt to swim with it.

a) Identify the different body parts on the diagram:



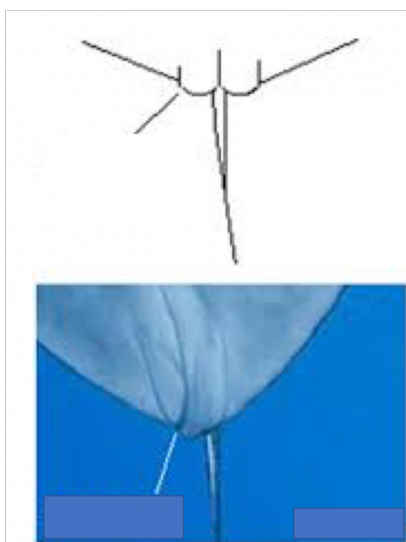
- 1 - _____
- 2 - _____
- 3 - _____
- 4 - _____
- 5 - _____
- 6 - _____



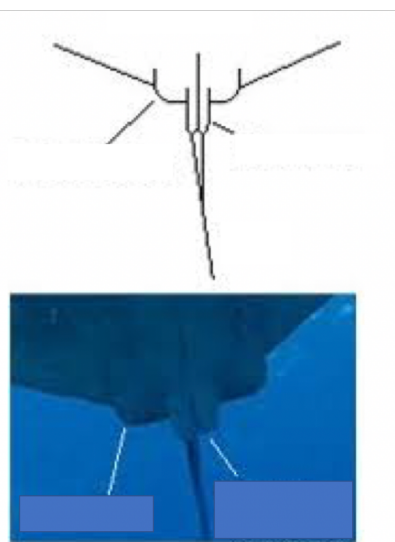
- 1 - _____
- 2 - _____
- 3 - _____
- 4 - _____
- 5 - _____
- 6 - _____
- 7 - _____
- 8 - _____

b) Select the correct answer from the options below:

Female / Male



Female / Male



Section 9 – Marine turtles

1 – There are 7 species of marine turtles worldwide, some occur in the PPMR but only some nest in the area. Please circle the appropriate answer for the species that nest in the PPMR:

- a) Leatherback, Loggerhead and Hawksbill turtles
- b) Olive, Loggerhead and Leatherback turtles
- c) Leatherback, Hawksbill and Green turtles
- d) Loggerhead and Leatherback turtles

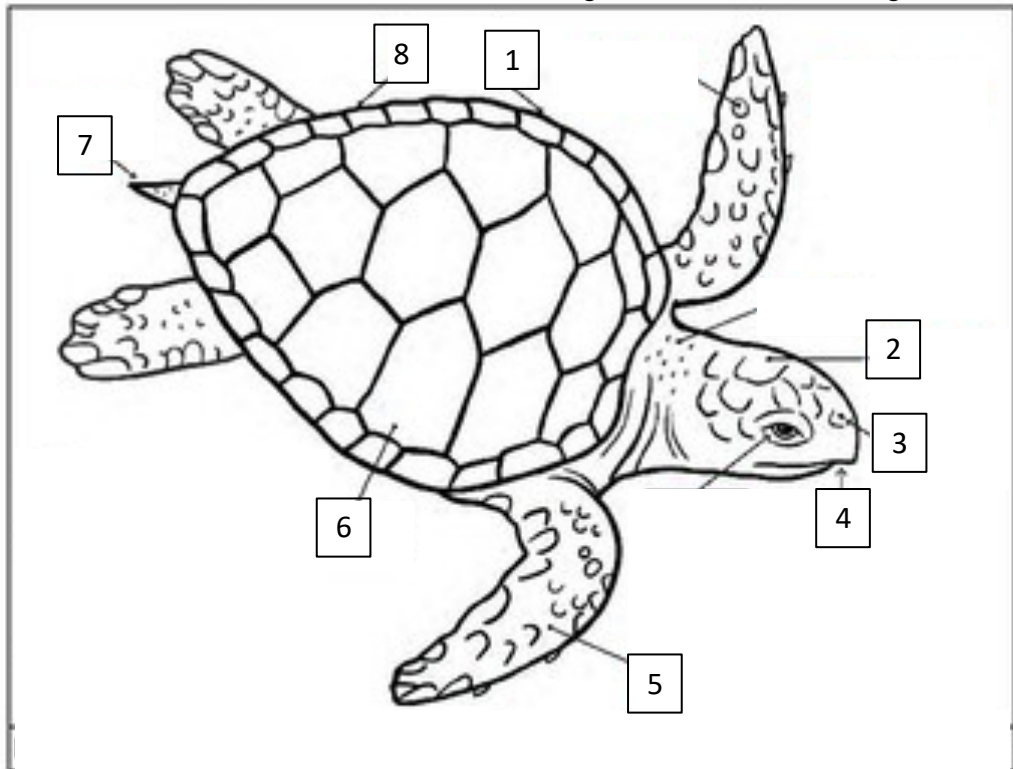
2 - Depending on the species, sea turtles may be carnivorous (meat eating), herbivorous (plant eating), or omnivorous (eating both meat and plants). The jaw structure of many species is adapted for their diet.

Please select the appropriate diet for Loggerhead turtles:

- a) Crabs, molluscs, shrimps, jellyfish, and vegetation.
- b) Sponges, tunicates, shrimps, and squids
- c) Jellyfish, tunicates, and other soft-bodied animals
- d) Sea grasses and algae

3 – Based in your knowledge of sea turtles, please indicate if the following sentences are TRUE or FALSE:	True	Not sure	False
Tiger sharks are known for eating sea turtles			
Fish, dogs, seabirds, raccoons, ghost crabs, and other predators prey on eggs and hatchlings (baby turtles)			
Around 50% of hatchlings (baby turtles) are eaten by predators			
Nesting females and hatchlings are disturbed by the presence of trash on nesting beaches.			
The noise and activity of people on the beach may cause female turtles to return to the sea instead of nesting			
Beach development does not affect turtle nesting			
Turtles can distinguish artificial light from moonlight reflection on the water			
Females will nest every year			
Female turtles prefer to nest during the low-tide			
Females can lay up to 3 times per season			
Like humans, the gender of the hatchlings (baby turtles) is determined by the male turtles			
All juvenile turtles have short, stubby tails			
The largest sea turtle is the Leatherback			
The smallest sea turtle is the Hawksbill			
Can stay underwater for up to 8 hours			
The legs and head of turtles are retractable			
Are resident species			

4 – Associate the numbers on the turtle diagram with the correct legend



____ - Flipper

____ - Tail

____ - Head

____ - Shell

____ - Scute

____ - Scale

____ - Beak

____ - Eye

Section 10 – Participant background and demographic information

1 – Age: 18 – 25 25 – 35 35 – 45 45 – 60 >60

2 – Gender: Male Female

3 – Country of Origin: _____

4 – Country where you did your last education: _____

5 – Education:

No school	
Primary school	
Matric/Highschool	
Graduate	
Masters	
PhD	
Professional/Technical course	
Other (Specify)	

6 – Profession:

Manager	
Receptionist/Booking agent	
Skipper	
Swim/Guide facilitator	
Top man	
Other (specify)	

7 – Years of work experience in Marine Tourism: _____

8 – Years working in the Ponta Partial Marine Reserve: _____

9 – Time (months or years) of experience in your current job position: _____

10 – What was your previous job position? _____

10 – You grew up:

By the sea	
Inland	