











Dugon g



Philippines bad luck, bone talismans protect against evil

China/Malaysia revered and will not be intentionally

killed

Indonesia reincarnation of woman and are also revered

Thailand tears are powerful aphrodisiac, powerful love potions; eating meat attracts the opposite sex

Biblically Ark of the Covenant protected by dugong skin



Vietnam

Whale Temples; burial and display, annual festival.

Hong Kong and Fujian
Tin Hau temples







Hong Kong and Fujian



Small Gods: occurring in bays adjacent to Tin Hau temples





"Fisherman I knew in Hong Kong believed petty creatures like barnacles were too small to bother with (except in times of famine) and avoided sawfish, sturgeons, whales and porpoises because these were "divine fish", tabooed by the gods. But elsewhere in China all of these have been used."

(Anderson 1988:172)





China



Baiji: young woman forced to throw herself into the Yangtze to escape from her evil step-father.

Finless porpoise: evil step-father and disliked





China

Whales first mentioned in literature 179BC

1600; two types of sea creatures, whales and mermaids

seasonal visitors which used the area as a calving ground, resident species were dangerous and capsized boats except pink dolphins, protect fishing boats by riding on their bows

Tai O, reference to a 'maid' living in village as a human





WHALING STARTED MORE THAN 1000 YEARS AGO

WHALE PARTS HAD A MULTITUDE OF USES

OIL; soap, shampoo, detergent, lipstick, margarine, cooking fat, ice cream, crayons, paints, polish, linoleum, lubricants, glycerine, candles

SPERMACETI; candles, high grade lubricant, medicinal

BALEEN; ornate handles, shoe laces, umbrella ribs, brushes, watch springs, fans, fishing rods, tea trays, corset ribs, skirt hoops, curls in wigs

BONES AND TEETH; chairs, building material, carved objects, such as chess pieces, cufflinks, necklaces, 'scrimshaw'

SKIN; bootlaces, hand bags, shoes, boats

MEAT; Japan, Norway, Iceland, Korea, China, Taiwan, Indonesia, Inuit Canada, Greenland





Traditional Chinese Medicine

Species	Derivative	Use
Baleen whales	liver, bone, pancreas, oil	A variety of inflammatory and intestinal
Sperm whales	Ambergris, liver, bone, spermaceti	disease licerated skin, aiding blood flow, coughs and phlegm, abdominal pain, eyesight.
Dolphins and porpoise	fat, oil, muscle, liver, pancreas	Inflammation, as an analgesic, sores, boils, burns, scalding, eyesight, anaemia
Baiji	oil, fat	Coughs, toxicity, fever, burns.
Dugongs	oil	Stemming blood flow
Seals	kidney, oil, sexual organs	Aphrodisiac, colic, increase or reduce appetite, tumours, convulsions, depression, improve complexion
Otters	bone/marrow, muscle, liver, bile, Kidney, feet, skin and	Aphrodisiac, fevers, dry skin, haemorrhoids, eyesight, nervousness, antenatal tonic, removes scars, incessant vomiting,

fur tuberculosis.

















WHALES, DOLPHINS AND PORPOISE ALL BELONG TO THE ANIMAL GROUP KNOWN AS

'CETACEANS'

ALL CETACEANS ARE MAMMALS, JUST LIKE US!

- · THEY BREATHE AIR DIRECTLY INTO THEIR LUNGS
- · THEY HAVE HAIR (AT SOME POINT)
- · THEY ARE WARM-BLOODED
- · THEY GIVE BIRTH TO LIVE YOUNG
- · THEY NURSE THEIR YOUNG











HIND LIMBS DISAPPEAR

35 mya

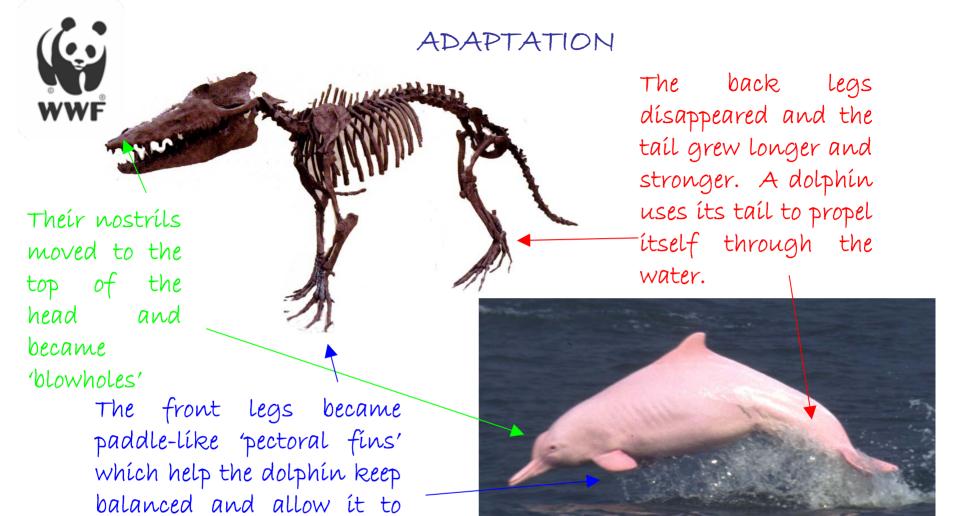
PAKICETUS | 46 mya

SLENDER-BODIED, RETURNS TO WATER 53 mya

A HOOFED, WOLF-LIKE MAMMAL 160 mya

HUMANS AND CETACEANS - COMMON ANCESTOR 300 mya

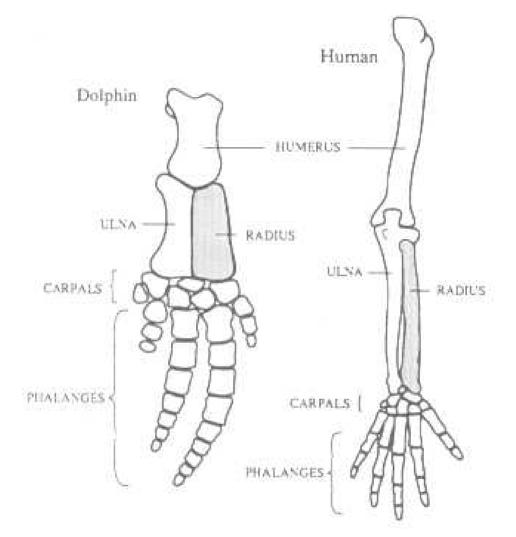






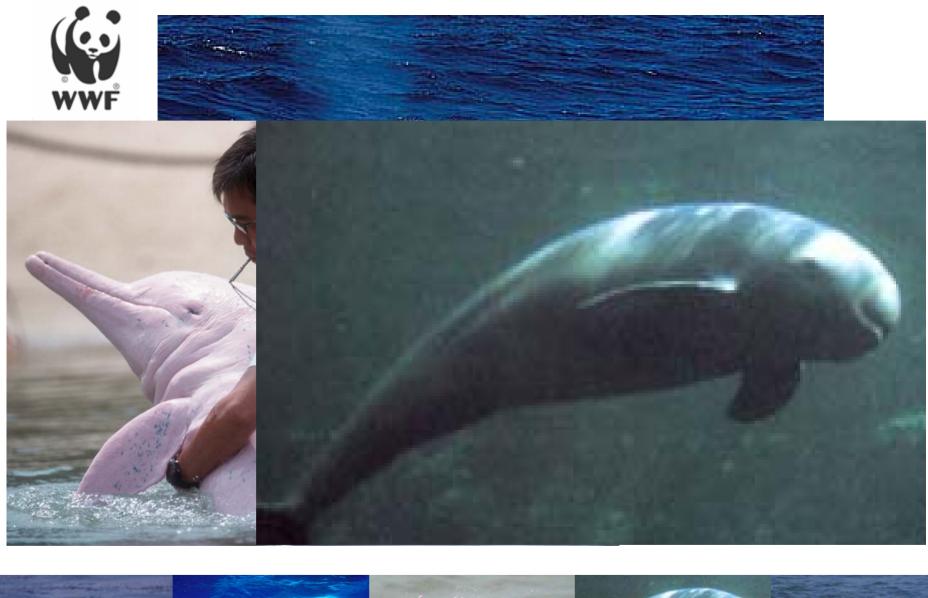
steer in various directions.













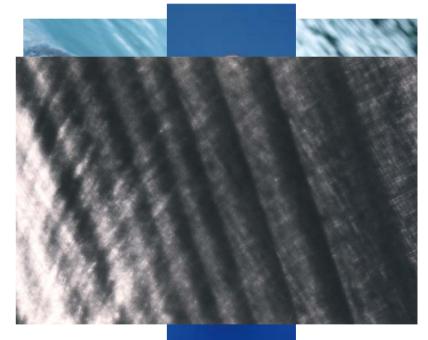


CETACEA

MYSTICETES:BALEEN WHALES



ODONTOCETES: TOOTHED WHALES





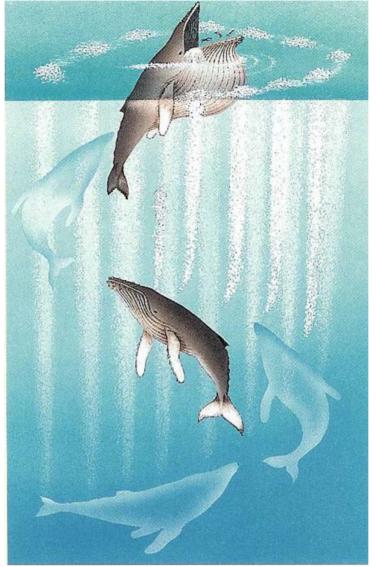


BALEEN WHALES EAT TONNES OF SMALL SHRIMP-LIKE SEA ANIMALS, CALLED KRILL, WHICH THEY FILTER THROUGH THEIR BALEEN PLATES. WHALES EAT





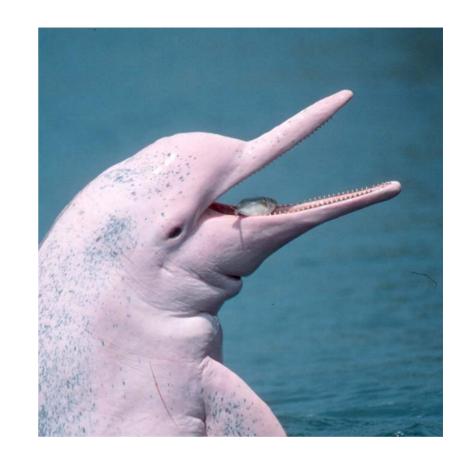






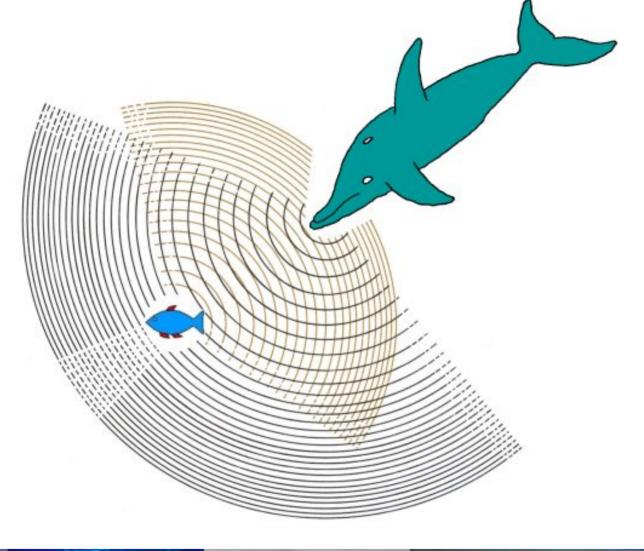
WWF DOLPHINS EAT FISH,
SQUID AND EVEN SMALL
CRABS AND PRAWNS!

DOLPHINS EAT FISH ONE BY ONE AND MUST SWALLOW THEM HEAD FIRST, SO FISH FINS AND SPINES DON'T GET STUCK IN THE DOLPHINS THROAT.





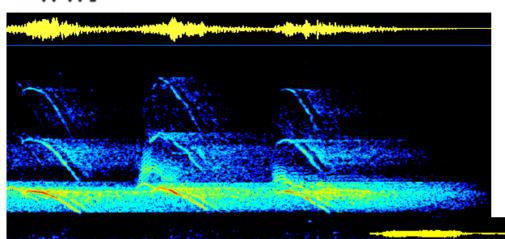








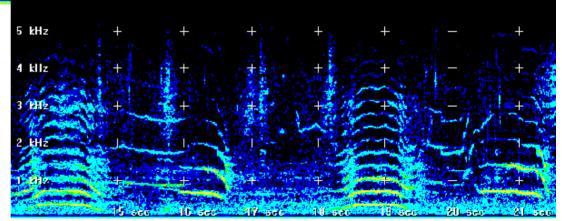
SOUND IS ALSO USED FOR COMMUNICATION



€ ECHOLOCATE

WHISTLE

€ SONG











CETACEAN SENSES

SOUND; FEED, NAVIGATE AND COMMUNICATE

TOUCH; COMMUNICATE

SIGHT?

TASTE?

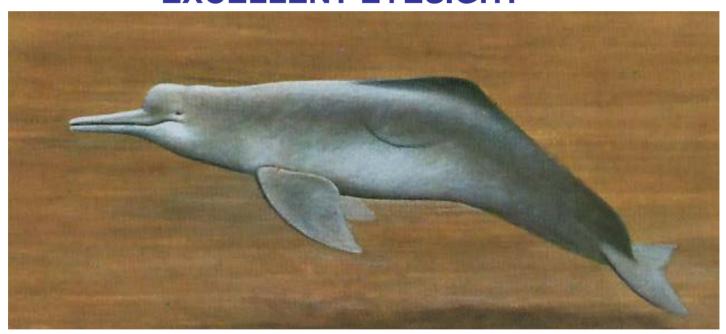
SMELL?





SIGHT

SOUND TRAVELS MUCH BETTER THAN LIGHT UNDERWATER, HOWEVER, MOST CETACEANS HAVE EXCELLENT EYESIGHT









TASTE: DOLPHINS
DO POSSESS TASTE
BUDS, SIMILAR IN
STRUCTURE TO
THOSE FOUND ON
HUMANS TONGUES!

SMELL: WHEN THE
DOLPHINS NASAL
PASSAGES
DEVELOPED INTO
BLOWHOLES, THERE
WAS NO NEED TO KEEP
A SENSE OF SMELL.









Common names
Scientific name
Global Distribution
Appearance

Spinner dolphin

Stenella longirostris

Tropical and subtropical waters worldwide

1.3 – 2.1 m in length and 45 – 75kg in weight

Performs high spinning leaps, is long and
slender with a dorsal fin which has an almost
vertical leading edge. Rare 'dwarf' form.





Common names
Scientific name
Global Distribution
Appearance

Indo-Pacific bottlenose dolphin *Tursiops aduncus*Isolated populations in tropical seas
1.9 – 3.9 m in length and 150 – 650kg in weight Subdued gray colouring with dark dorsal cape, prominent fin.







Common name
Scientific name
Global Distribution

Appearance

Steno bredanensis
Deep tropical, sub-tropical and
warm temperate waters world wide
2.1 – 2.6 m in length and 100 –150kg in weight.
A tall fin, a conical head with a long narrow beak and white lips.







Common name
Scientific name
Global Distribution
Appearance

Melon-headed whale Peponochephala electra

Deep tropical and sub-tropical waters

2.1 - 2.7 m in length and 160kg in weight.

A torpedo shaped body with a slim pointed head, long sharply pointed flipper, a tall fin

and, commonly, white lips.











Common names
Scientific name
Global Distribution
Appearance

Sperm Whale

Physeter macrocephalus

Deep waters either inshore or offshore

11 – 18m in length and 20 – 50 tons in weight

Dark body with large square head and small

narrow lower jaw





Dolphins have always lived in Hong Kong

之人魚。原在來東無者亦又大風雨時有海怪被

"The great white porpoise of the estuary of the Canton River"

海怪披髮紅面魚者亦魚謂

English and Chinese references from the 1600's



Hong Kong Pink Dolphins

"vulnerable by virtue of their close proximity to man and his activities"



prefers sheltered bays and

Local name: Chinese White or Pink Dolphin

Global name: Indo-Pacific Humpback

Dolphin

Local Distribution: Hong Kong western

waters and River Delta

Local Habitat Use: The highly structured dolphin society shallow,

rocky





Finless Porpoise

"vulnerable by virtue of their close proximity to man and his activities"



Local/Global name:

Black finless porpoise

Local Distribution:

Hong Kong southern and eastern waters

and se offshore adjacent areas.

Local Habitat Use:

exposed

Population prefers rocky coastline.







PINK DOLPHINS ARE FOUND IN HONG KONG WESTERN WATERS.

FINLESS PORPOISE OCCUR IN SOUTHERN AND EASTERN WATERS





Pink Dolphins?







HONG KONG DOLPHINS ARE BORN GREY





DEVELOP SPOTS AND FRECKLES









SOCIAL GROUPS: SEVERAL MOTHERS AND THEIR CALVES ARE OFTEN ENCOUNTERED IN LARGE GROUPS. CALVES ARE BORN THROUGHOUT THE YEAR BUT BIRTHS PEAK IN THE LATE SPRING











SOCIAL STRUCTURE: SPOTTED 'TEENAGERS'OCCUR IN LARGE GROUPS AND LOVE TO SOCIALISE























































Safe Conduct

If you go dolphin watching, make sure your operator is a 'dolphin friendly' one and follows the Dolphin Code of Conduct which helps prevent the harassment of dolphins from commercial dolphin watching companies.

- No fast or direct approaches to a group of dolphins
- Do not approach dolphins that are with other boats
- NO WAKE SPEED
- Do not feed the dolphins





WWF is a global organisation that acts locally through a network of family offices.

WWF works to conserve nature:

- action on the ground
- advocacy work to establish policies
- international campaigns to highlight and solve crucial environmental problems







CETACEANS: 300,000 per year

TURTLES: 250,000 per year

SHARKS: 100,000 per year

ALBATROSES: 100,000 per year





World Wide Fund for Nature

The WWF strive to conserve species through research, education and advocacy. In Hong Kong, members of the public can participate in conservation activities by joining WWF. Annual marine conservation events include Reef Check and The Big Fish Count. WWF current campaign *Save Our Seas* is asking for the complete banning of trawling in Hong Kong waters, to both allow severely depleted fish stocks to recover (and the dolphins get more fish!) and to prevent habitat destruction from the physical process of trawling itself.

Recently, the Hong Kong and China WWF offices have joined forces to devise a comprehensive marine conservation strategy that spans the coast of the South China Sea. The need for organisations like WWF continues to grow as despite increased public and government awareness of environmental problems, the rapid development and burgeoning population of Asian countries often overlook the need to also develop conservation initiatives. If we do not safeguard our marine heritage, whales, dolphins and porpoise will disappear. Already we know that China will see the first extinction of a cetacean species. The Baiji number less than 50 and rapid development in addition to habitat fragmentation have depleted and segregated the population to such a degree that they can simply no longer find each other. The Hong Kong population of dolphins will suffer the same fate if we do not act now and safeguard our remaining few.

www.panda.org

For further information on WWF and all its activities, locally and internationally, check out our websites.

For further information on local and regional whales dolphins and porpoise, contact WWF Dolphin Conservation Officer

Dr. Lindsay Porter lporter@wwf.org.hk

