

**Ebook Code:
REAU5038**



For 9-12 years



The **Humpback**
WHALE
Activity Book

*To be used in conjunction with **The Humpback Whale: A Very Special Mammal***



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Science and Technology, Society and Environment/HSIE

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Teachers' Notes

Rationale

The Humpback Whale Activity Book is a text based resource for students aged 8 to 12. It is intended to be used in conjunction with the resource, *The Humpback Whale – A Very Special Mammal*, available from Ready-Ed Publications, but it also can be used as a stand-alone resource.

The worksheets include activities relevant to Science, Society and Environment/HSIE, English, Mathematics, Visual Art and ICT (Information Communication Technology). The range of topics covered includes environmental concerns, animal behaviour, inherited and learned characteristics, the classification of animals and the endangered status of animals. Skills include creative writing, using descriptive devices, comprehension and critical thinking, developing spelling strategies, reading, interpreting and creating graphs, and using the Internet and library to research topics.

Objectives

- To foster a greater understanding of the interdependence of humans and animals
- To develop skills in comprehension and critical thinking
- To develop and refine research skills
- To recognise the importance of biodiversity in nature
- To read and interpret statistical information related to the environment
- To appreciate and value the importance of preserving the environment and conserving species.

Website references

Many of the websites listed in this book are linked to the Ready-Ed website listed below. This saves the teacher and/or student from typing in the addresses each time. External websites referred to in this book will be updated through the Ready-Ed site below should they disappear or modify their address after publication. Bookmark this site for ease of use:

► www.readyed.com.au/urls/Various

What is a Mammal?

- Read Page 4 in *The Humpback Whale* resource book

A mammal is an animal which lives on land or in the sea.

Characteristics of mammals:

- Lungs to breathe in air
- A bony skeleton
- Hair which covers most of its body
- A large brain so it can learn things from experience

Humans are mammals and so are humpback whales.

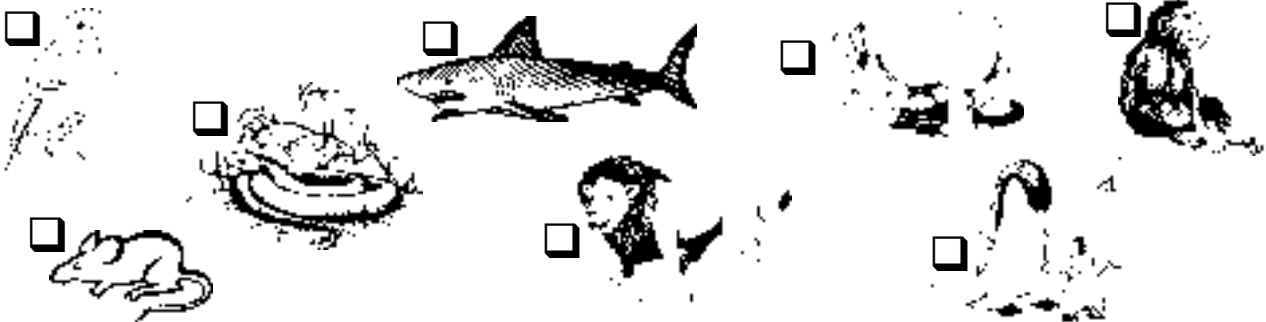


1. Add some more characteristics typical of mammals.

2. Write down the features of mammals which **humans** have:

3. Write down the features of mammals which **humpback whales** have:

4. Which of the following are mammals?



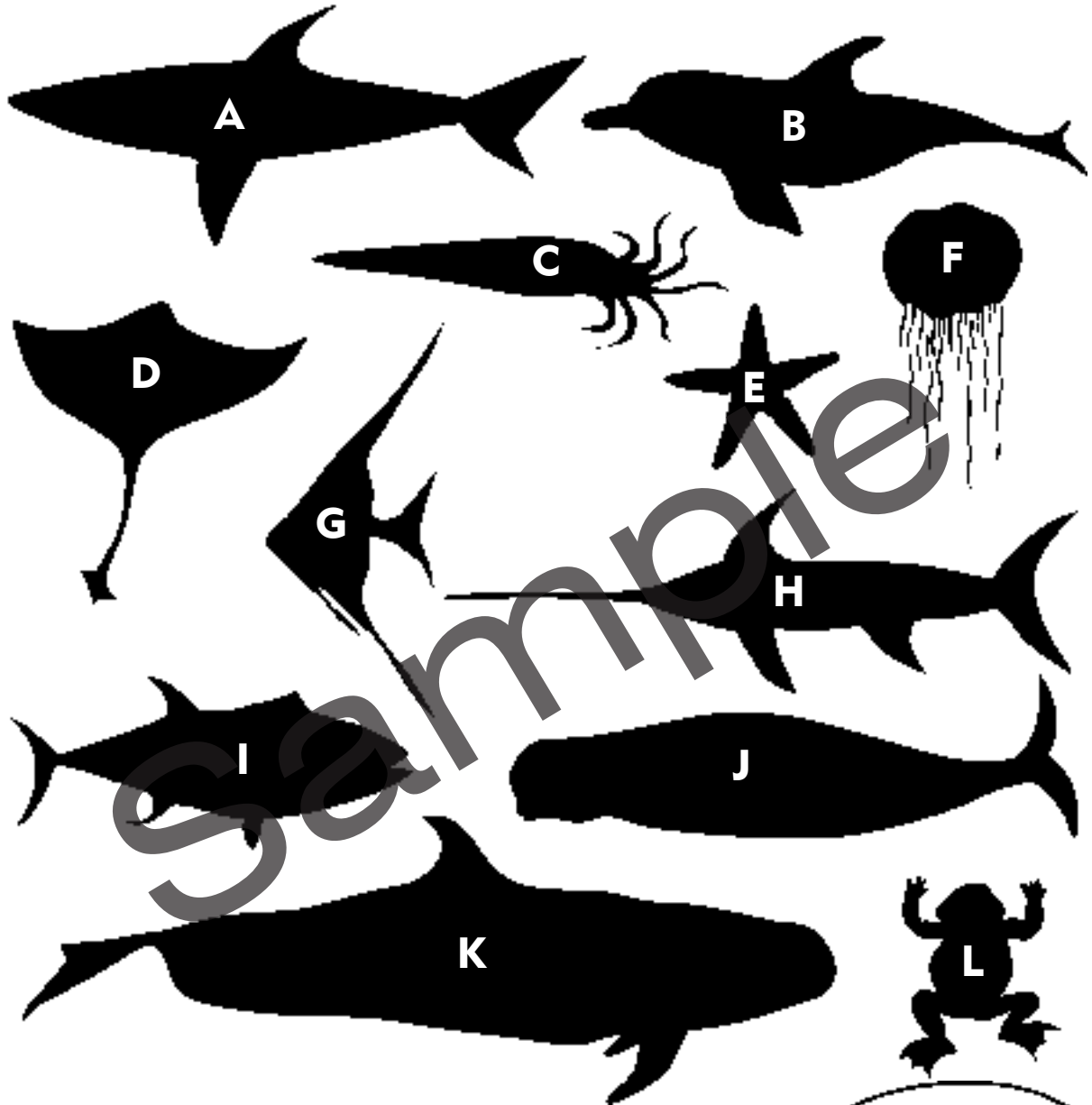
List some of your favourite mammals here:



• _____ • _____
• _____ • _____

Aquatic Animals

Match each of the animals with its outline:



- | | |
|-------------------|-------------------|
| • jellyfish _____ | • starfish _____ |
| • shark _____ | • beluga _____ |
| • squid _____ | • swordfish _____ |
| • stingray _____ | • tuna _____ |
| • angelfish _____ | • frog _____ |
| • whale _____ | • dolphin _____ |

These animals are all aquatic, which means they live in water.

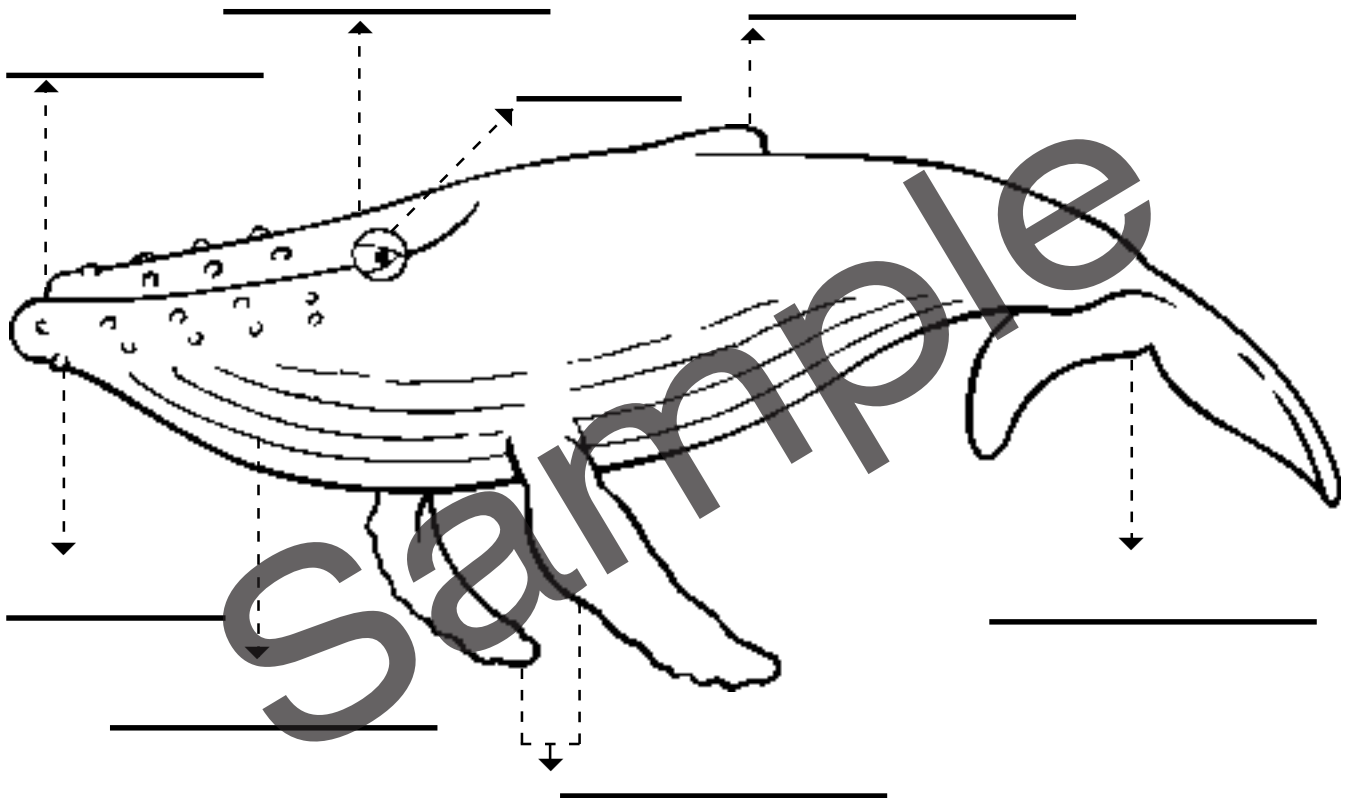


Looking at the Humpback

☐ Read Pages 7 – 8 in *The Humpback Whale* resource book

Label the parts on the drawing of the whale below.

- tail flukes
- dorsal fin
- fins or wings
- pleats
- spout hole
- eye
- baleen
- bumps



What special things do you notice about a humpback whale?

Whale Acrobatics

☐ Read Pages 22 – 23 in *The Humpback Whale* resource book

Draw a picture of all the different things whales can do in the water.

Write a description of each action underneath. The first one is done for you.

Blowing or spouting



When a whale comes to the surface to breathe it blows out a spray of air, water and oil through its spout hole.

Spyhopping

Breaching

Fin waving

Tail lobbing or slapping

Diving

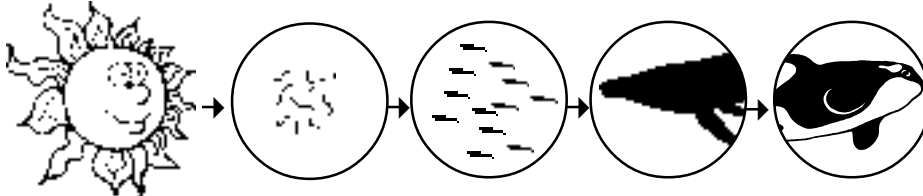
Tail dancing

Bubble netting

Food Chains

Read Page 20 in *The Humpback Whale* resource book

Here is an example of a food chain for a baleen type whale:



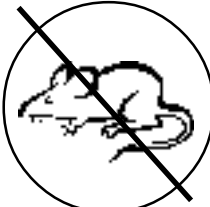
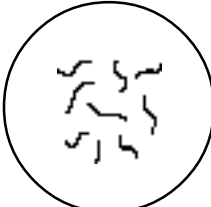


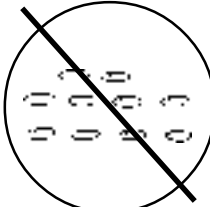
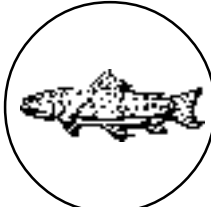

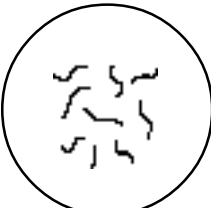



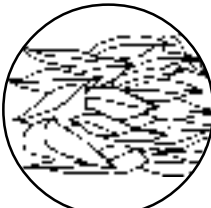
sunlight ▶ phytoplankton ▶ krill ▶ whale ▶ orca

Did you know that all food chains begin with sunshine? Sunlight provides energy to help microscopic creatures grow.



Complete the following food chains using the pictures below. One has been done for you.

1. sunlight ▶ plant seeds ▶ mouse ▶ snake ▶ kookaburra
2. sunlight ▶ _____ ▶ _____ ▶ human
3. sunlight ▶ _____ ▶ elephant
4. sunlight ▶ _____ ▶ _____ ▶ shark
5. sunlight ▶ _____ ▶ _____ ▶ polar bear

					
mouse	phytoplankton	cow	grass	plant seeds	fish
					
seal	phytoplankton	prawn	fish	snake	elephant food