

PENGUIN SORTING

Skills

Sorting
Classification

Materials

Printed and cut (in color) penguin cards

Vocabulary

Species
Genus

Learning Level Gr K-4

Objectives

First sort penguin species however they would like (size, color, other markers.)
Then they sort them by genus, to see how scientists classify them.

Duration

Under 30



Adélie
Pygoscelis adeliae



Yellow-Eyed
Megadyptes antipodes



African
Spheniscus demersus



Humboldt
Spheniscus humboldti



Erect-Crested
Eudyptes sclateri



Royal
Eudyptes schlegeli



Chinstrap
Pygoscelis antarctica



Emperor
Aptenodytes forsteri



Magellanic
Spheniscus magellanicus



Gentoo
Pygoscelis papua



Southern Rockhopper
Eudyptes chrysocome



Galápagos
Spheniscus mendiculus



Little Blue
Eudyptula minor



Snares
Eudyptes robustus



King
Aptenodytes patagonicus



Northern Rockhopper
Eudyptes moseleyi

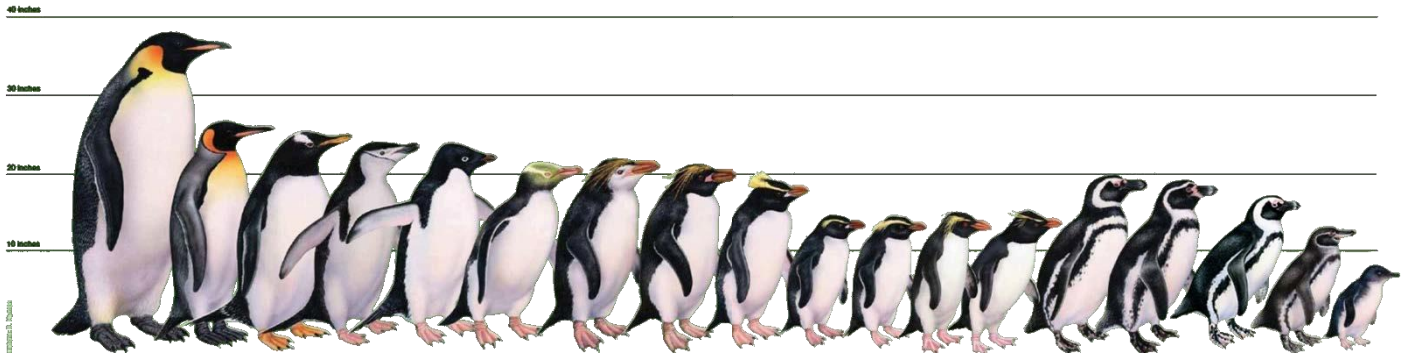


Fjordland
Eudyptes pachyrhynchus



Macaroni
Eudyptes chrysolophus

Penguin Species



Scientists recognize between 17-20 species of penguin.

Some species are up for debate as genetic testing is done.

Using the species cards:

How would you sort the species? What characteristics would you use?

Can you sort the species the way a scientist would?

(Hint: In a scientific name, the first name is the name for the *genus*, and the second name is the name of the *species*. A genus is a group of related organisms.)

What else do you notice about the differences between penguin species?

What do you wonder?

At-home extension: What is the size of a penguin?

Here are the sizes of various penguin species. What items can you find in your house that are the same size? We'd love to see the things you find – post them to our social media!

Species	Size (metric)	Size (imperial)	Object in your house
Emperor	122cm	48in	
King	70-100cm	28-39in	
Chinstrap	68-76cm	27-30in	
Royal	66-76cm	26-30in	
Yellow-Eyed	62-79cm	24-31in	
Magellanic	61-76cm	24-30in	
African	61-71cm	24-28in	
Macaroni	61-70cm	23-29in	
Humboldt	56-70cm	22-28in	
Fjordland	53-58cm	21-23in	
Gentoo	51-90cm	20-35in	
Erect-Crested Penguin	50-70cm	19-27in	
Snares Island	50-70cm	19-27in	
Galapagos	49-53cm	19-21in	
Adelie	46-71cm	18-28in	
Rockhopper (Northern or Southern)	45-58cm	18-23in	
Little Blue	30-33cm	12-13in	