

ZOOLOGIST IN TRAINING

Let's Classify Animals



Name:

ELEMENTARY LAB

All About Backbones

Today in the Elementary Science Lab, we're going to learn about invertebrates and vertebrates

Match the words & definition to the pictures

Invertebrates

Animals without backbones



Vertebrates

Animals with backbones



Vertebrae

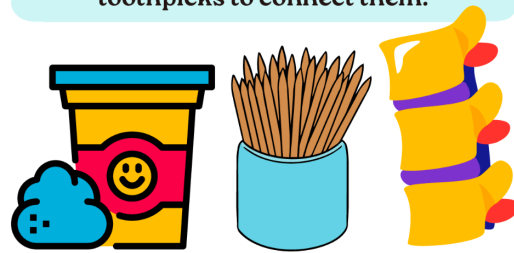
Individual parts of a backbone



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Station 1: Backbone Builders

Shape your Play-Doh into vertebrae like the ones on the table. Use toothpicks to connect them.



How many vertebrae in a backbone?
Well that depends on the animal!

Mammals

26-27 vertebrae

Fish

24-26 vertebrae

Birds

39-63 vertebrae

Snakes

100-400 vertebrae

3D Printed Interlocking Human Vertebrae

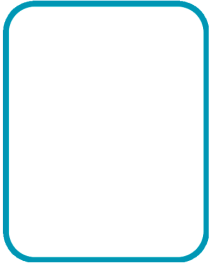


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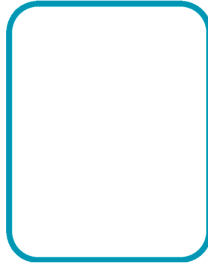
Station 2: Animal Backbones

Draw the six different types of vertebrae.

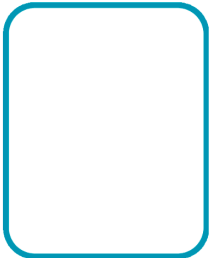
Cow



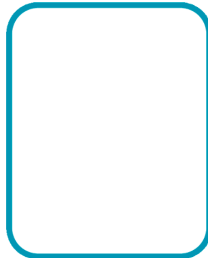
Snake



Pigeon



Human



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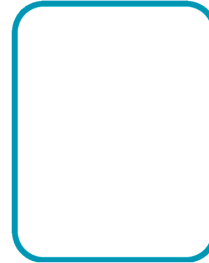
Station 2: Animal Backbones

Draw the six different types of vertebrae.

Dolphin



Shark



Match the animal with its classification.

Mammal

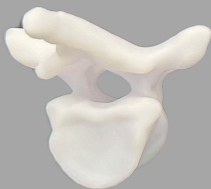
Fish

Bird

Reptile



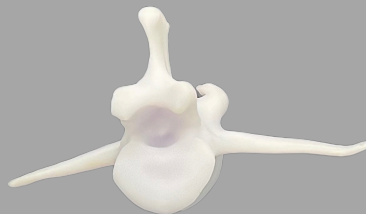
3D Printed Vertebrae



human



bird



cow



snake



shark

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CT Scanner



Circle which best describes the specimen

Specimen 1 Invertebrate Vertebrate

Specimen 2 Invertebrate Vertebrate

Specimen 3 Invertebrate Vertebrate

Specimen 4 Invertebrate Vertebrate

Specimen 5 Invertebrate Vertebrate

Specimen 6 Invertebrate Vertebrate

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Dissecting Scope



Match the Specimen to the animal group it belongs to

Specimen 1

Amphibian

Specimen 2

Bird

Specimen 3

Invertebrate

Specimen 4

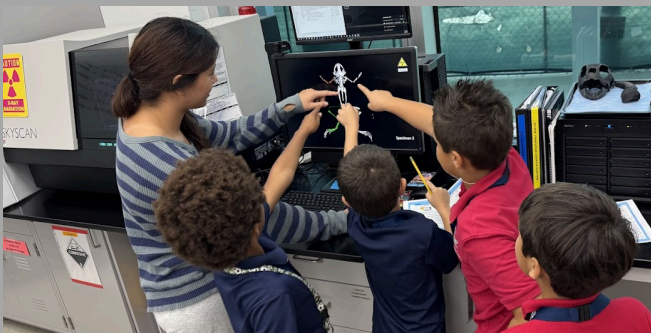
Mammal

Specimen 5

Fish

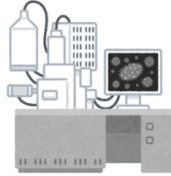
Specimen 6

Reptile



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Scanning Electron Microscope



Match the Specimen to the animal group it belongs to

Specimen 1

Fish

Specimen 2

Amphibian

Specimen 3

Reptile

Specimen 4

Bird

Specimen 5

Mammal

Specimen 6

Invertebrate

