Classifying Animals in the UK and Rainforests
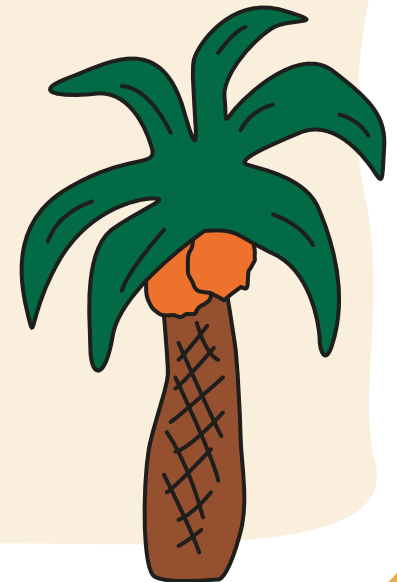
L.O.: To use …. classification keys for living things, giving reasons for why animals belong in particular groups.

Success Criteria:

I can:

- Use an animal classification key to help me group living animals typically found in the UK according to common characteristics

- Use an animal classification key to help me group living animals typically found in the world's rainforest according to common characteristics

- Make and use my own animal classification key

- Give reasons for why animals belong in a particular group

- Make and use my own animal classification key

- Give reasons for why animals belong in a particular group

Grouping animals

What are the two main groups of the animal kingdom?

VERTEBRATES

The major five groups are:

Amphibian

Fish

Reptile

Bird

Mammal

ANIMALS

INVERTEBRATES

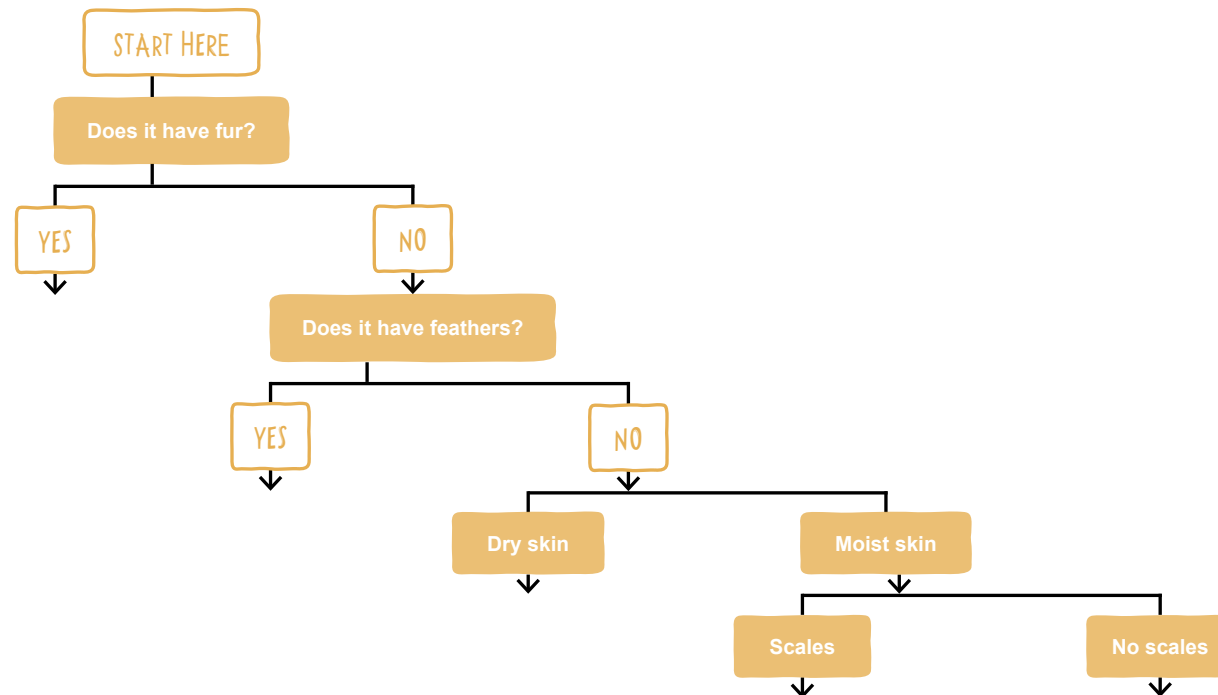**These are some of the major groups:**

Annelid

Arachnid

Mollusc

Crustacean

Ecinoderm

Insect

Protozoa

Animal classification key

Can you classify these common UK animals using this key?

1.

2.

3.

4.

5.

START HERE

Does it have fur?

YES

NO

Does it have feathers?

YES

NO

Dry skin

Moist skin

Scales

No scales

Travelling around the globe

Can we use the same classification key to classify animals from the rainforest?
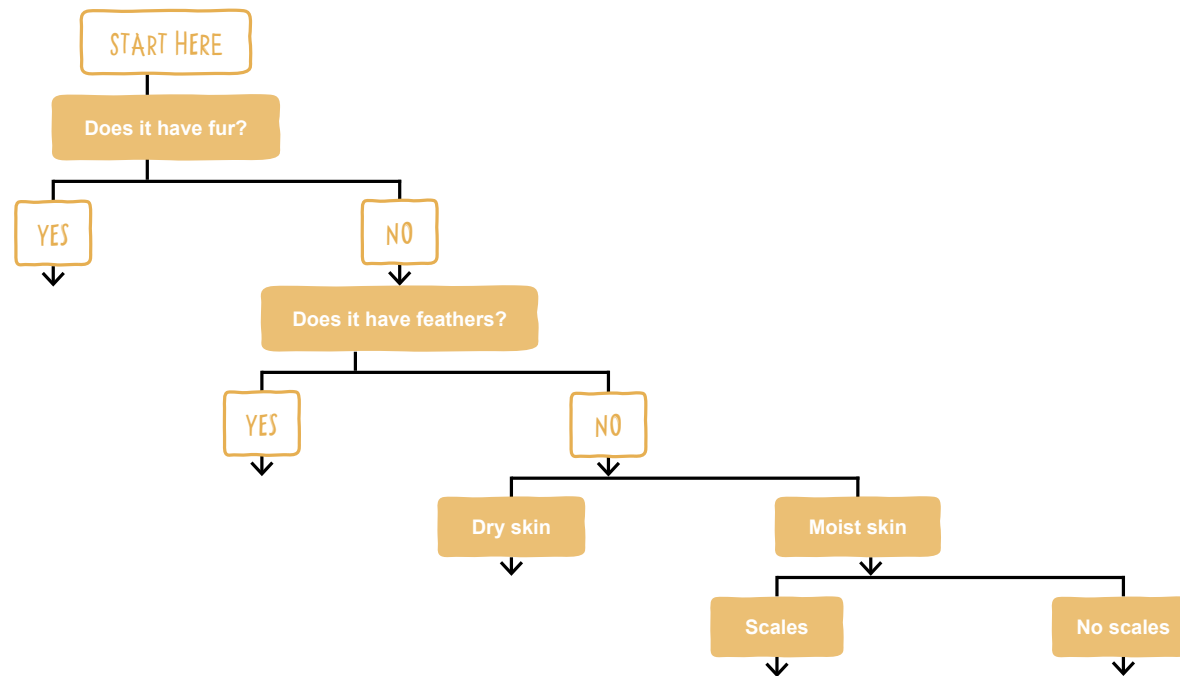
FROG

ORANGUTAN

PIRANHA

SNAKE

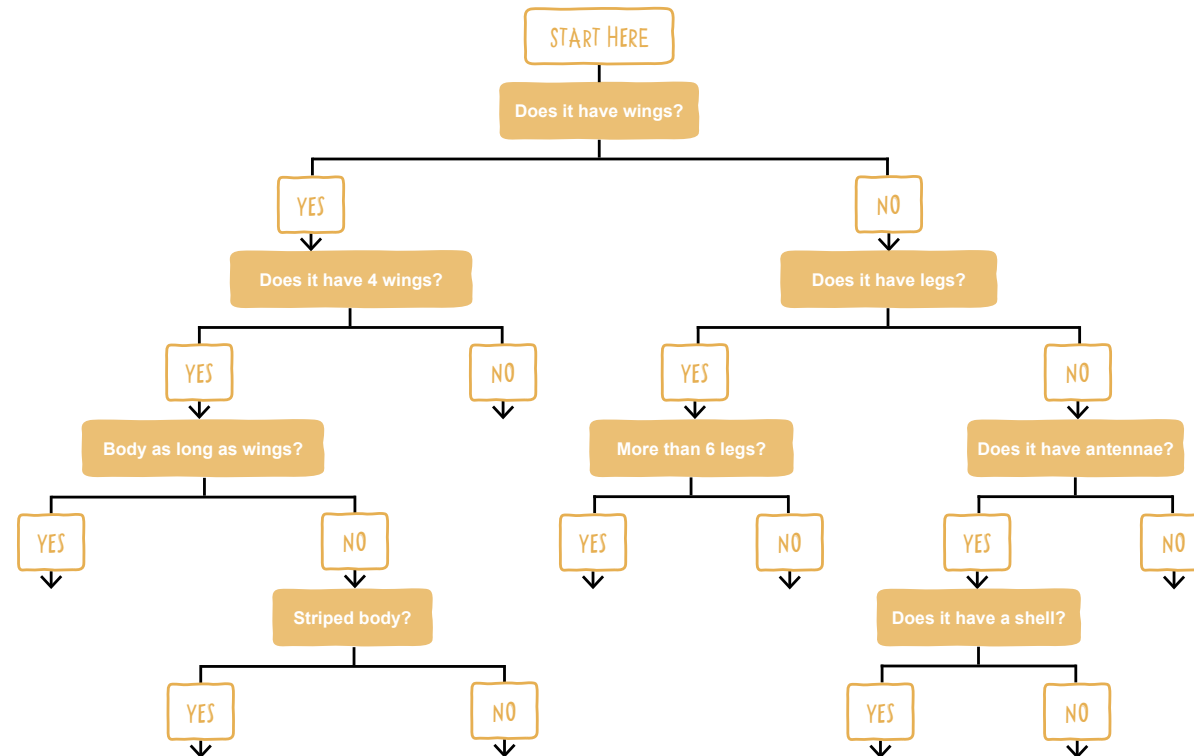HORNBILL

Rainforest animal classification key

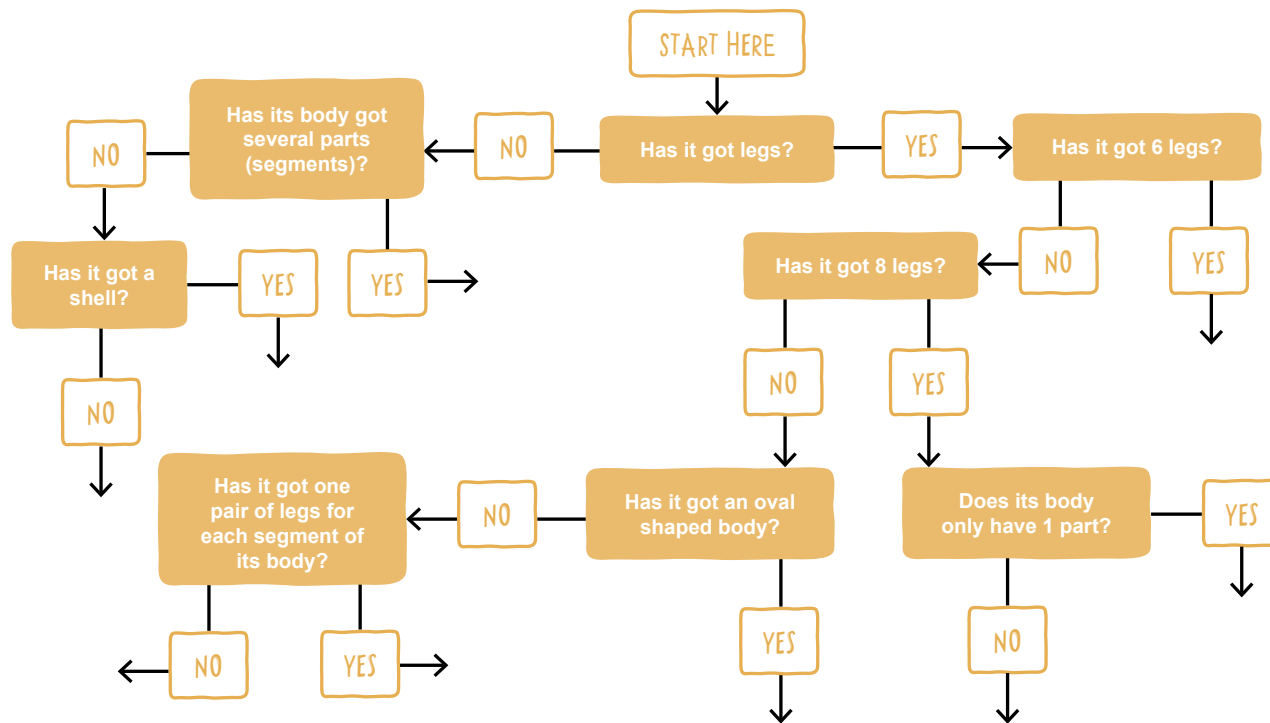Can you classify these rainforest animals using this key?

1.

2.

3.

4.

5.

START HERE

Does it have fur?

YES

NO

Does it have feathers?

YES

NO

Dry skin

Moist skin

Scales

No scales

Animal classification key

Can you classify these animals using this key?

1. 2. 3. 4. 5. 6. 7. 8. 9.

START HERE

Does it have wings?

YES — NO

YES → **Does it have 4 wings?**

NO → **Does it have legs?**

Does it have 4 wings?
YES — NO

Does it have legs?
YES — NO

YES → **Body as long as wings?**

YES → **More than 6 legs?**

NO → **Does it have antennae?**

Body as long as wings?
YES — NO

More than 6 legs?
YES — NO

Does it have antennae?
YES — NO

NO → **Striped body?**

YES → **Does it have a shell?**

Striped body?
YES — NO

Does it have a shell?
YES — NO

Animal classification key

Can you classify these animals using this key?

1.

2.

3.

4.

5.

6.

7.

8.

9.

START HERE

Has it got legs?

NO → **Has its body got several parts (segments)?**

YES → **Has it got 6 legs?**

Has its body got several parts (segments)? — NO → **Has it got a shell?**

Has its body got several parts (segments)? — YES → YES →

Has it got a shell? — YES →

Has it got a shell? — NO → **Has it got one pair of legs for each segment of its body?**

Has it got one pair of legs for each segment of its body? — NO ←

Has it got one pair of legs for each segment of its body? — YES →

Has it got 6 legs? — NO → **Has it got 8 legs?**

Has it got 6 legs? — YES →

Has it got 8 legs? — NO → **Has it got an oval shaped body?**

Has it got 8 legs? — YES → **Does its body only have 1 part?**

Has it got an oval shaped body? — NO → Has it got one pair of legs for each segment of its body?

Has it got an oval shaped body? — YES →

Does its body only have 1 part? — YES →

Does its body only have 1 part? — NO →

Task – Classifying animals with a key

You will need:
- 1 set of 'Animal classification cards - UK and rainforest'
- A blank version of each classification key (vertebrate and invertebrate)

Instructions:
1. Look at the classification key examples.
2. Choose an animal picture card. Decide if the animal is a vertebrate or invertebrate.
3. Read the pre-written questions on the corresponding classification key (invertebrate or vertebrate), follow the arrows in either the 'yes' or 'no' direction to the next question / characteristic, until you reach the final question on the key.
4. Then classify the animal in to the right group.

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Teacher notes: Print on to paper or card and cut out each card individually. This game is designed to be played in the lesson titled:

ANIMAL CLASSIFICATION CARDS - UK AND RAINFOREST

FROG | GOLDFISH | SUNDA GHARIAL | NEWT | RETICULATED PYTHON | TOAD

TORTOISE | FLAMINGO | SEA HORSE | TURTLE | OWL | COD

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INVERTEBRATE CLASSIFICATION KEY

START HERE

Has it got legs?

Has its body got several parts (segments)?

Has it got 6 legs?

Has it got a shell?

WORM

Has it got 8 legs?

NO

YES

INSECT

SNAIL

SLUG

Has it got one pair of legs for each segment of its body?

Has it got an oval shaped body?

Does its body only have 1 part?
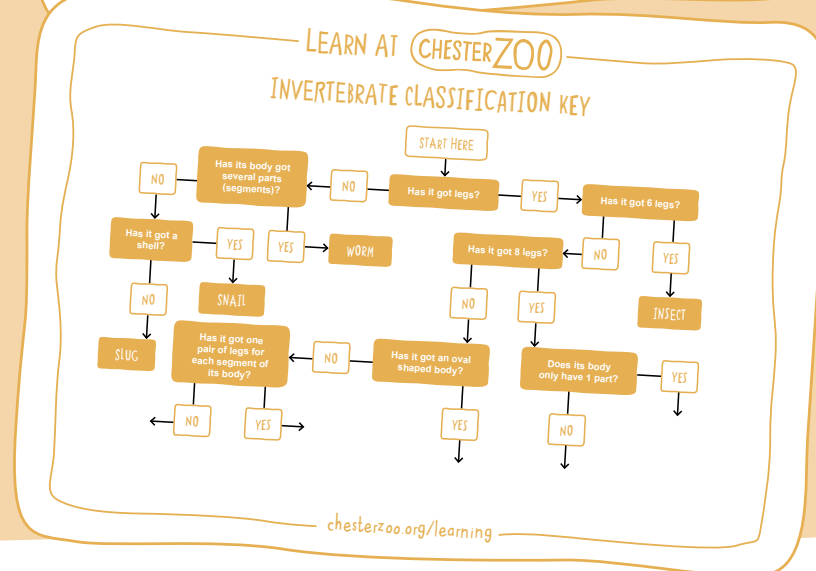
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Task – Create your classification key

You will need:
- 1 set of 'Animal classification cards - UK and rainforest'
- Post it notes/ card and a large sheet of paper

Instructions:
1. Look at the example 'Classification keys' and 'Animal classification chart'
2. Write your own questions to create a classification key with flow chart arrows
3. Then pick an animal card, one at a time and classify the animal in to the right group by following the questions on your classification key
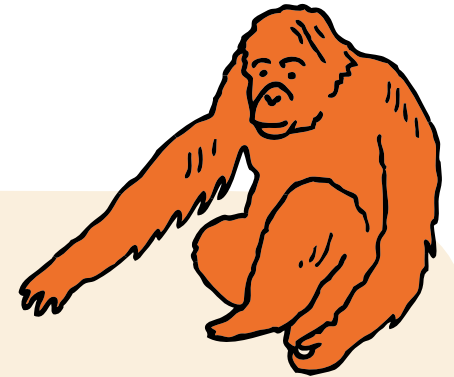
Classifying Animals - Task

What are your reasons for grouping these animals?

Use the classification chart to help you classify them...

What have you learned

Plenary

Learning Objectives:
To use and make classification keys for living things, giving reasons for why animals belong in particular groups.

Success Criteria

I can:
- use an animal classification key to help me group living animals typically found in the UK according to common characteristics
- use an animal classification key to help me group living animals typically found in the world's rainforest according to common characteristics
- make and use my own animal classification key
- give reasons for why animals belong in a particular group