Science - Test Your Skills
Year 6 Classification

1. Some children went to their local zoo. They saw these animals:

ostrich   cow   butterfly   camel   sparrowhawk

Tick two boxes to show which two things the cow and camel have in common.
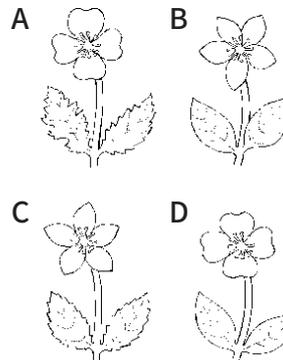
☐ They both have horns.   ☐ They both have fur or hair.

☐ They both have a hump.   ☐ They both have four legs.

1 mark

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2. Fiona sorts the plants into groups to help her find out their names. The plants in one of her groups all have yellow flowers.

Look at the group of plants with yellow flowers. Fiona needs to sort these plants into two groups.

Suggest a way these plants with yellow flowers could be sorted into two groups.

A   B

C   D

Group 1: Plants with yellow flowers and...

....

Group 2: Plants with yellow flowers and ....

....

1 mark

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3. Tick one box to show why it is useful to identify plants and put them into groups.

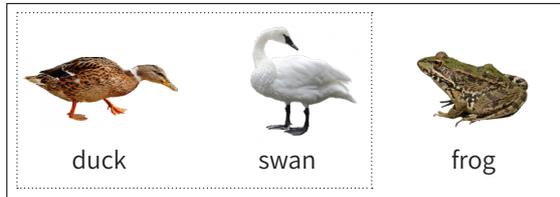☐ so we know where to find a plant   ☐ because there is a large variety of plants

☐ in case the plants become extinct   ☐ so we can observe the plants in their habitats

1 mark

4. Some children visit a river and see a duck, a swan and a frog.

The children use the features of the animals to sort the duck and swan into one group and the frog into another.
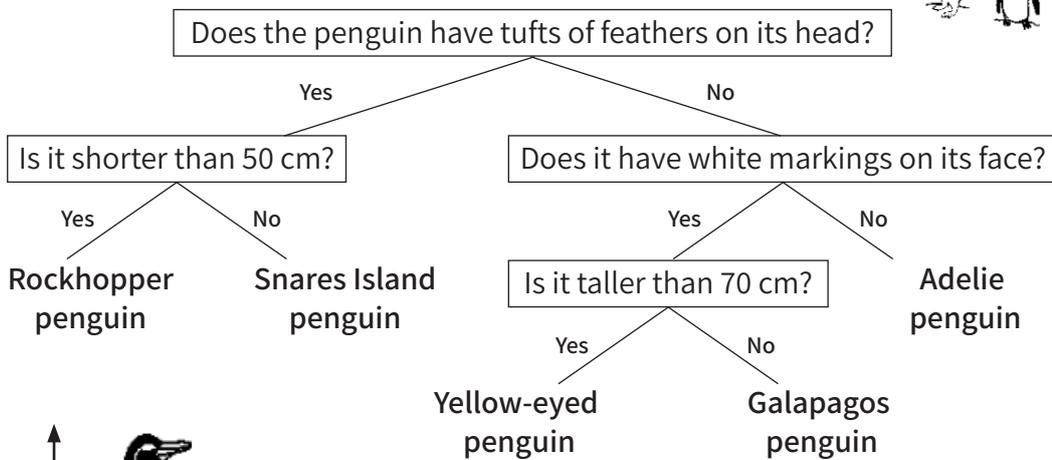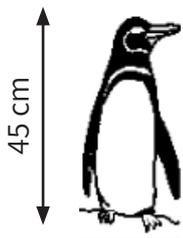
| duck | swan | frog |

A) Name a feature of the duck and the swan that puts them in the same group without the frog.

B) Describe a feature the children could use to put the duck and the swan into different groups.

5. The key below can be used to identify penguins.

Does the penguin have tufts of feathers on its head?

Yes — No

Is it shorter than 50 cm?   Does it have white markings on its face?

Yes — No   Yes — No

Rockhopper   Snares Island   Is it taller than 70 cm?   Adelie
penguin   penguin   penguin

Yes — No

Yellow-eyed   Galapagos
penguin   penguin

45 cm

Use the key to identify the penguin on the left.

This is a .... penguin.

6. Tick one box to show the best reason for identifying animals.

☐ so you can find out what scientific group they are in

☐ so you can compare them with plants

☐ so you can learn about the country they live in
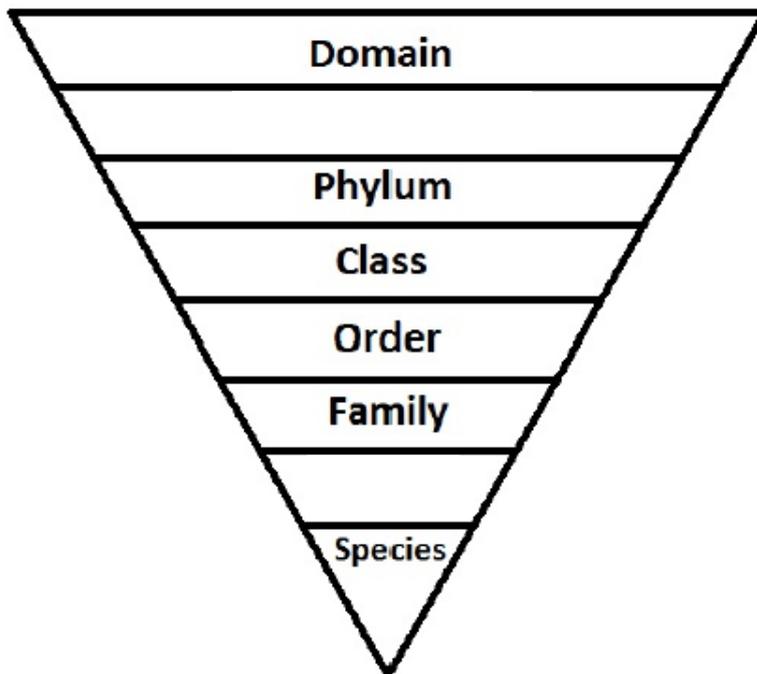
☐ so you can measure how tall they are

CHURCHFIELDS
JUNIOR SCHOOL

7. Define the following:

Vertebrate: ....

Invertibrate: ....

8. Label the missing levels on the classification pyramid below:

Domain

Phylum

Class

Order

Family

Species

9. What is Carl Linnaeus' binomial naming system?

_____

_____

_____

_____