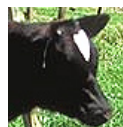


# Skulls on the farm

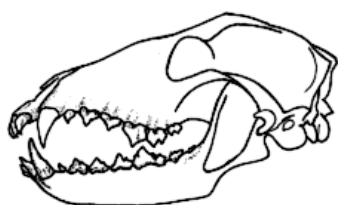
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When visiting his cousin's farm, William found two skulls in one of the paddocks. He thought one might be a cow or sheep, and the other a dog or cat.



- . Look carefully at each skull to decide which animal it belonged to.
- . Compare the skulls with the pictures of the animals, and also think about other features you can observe on the skulls.
- . List as many reasons as you can for your choice.
- . Mark your work using the self-assessment sheet.

**a)**



**b)**



(The skulls are not to scale.)

i) This is the skull of a ...  
herbivore / carnivore (circle one)

ii) Identify 3 observable features of the skull and say how they support your statement above.

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i) This is the skull of a ...  
herbivore / carnivore (circle one)

ii) Identify 3 observable features of the skull and say how they support your statement above.

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iii) This is the skull of a  
cow / sheep / dog / cat (circle one)

iv) Give one piece of evidence to support this:

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iii) This is the skull of a  
cow / sheep / dog / cat (circle one)

iv) Give one piece of evidence to support this:

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## Skulls on the Farm - Self-assessment sheet

Tick in the boxes below ☐ all the pieces of evidence you used.

a) i) This is the skull of a **carnivore**.

### ii) Observations

sharp, pointy teeth ☐

long, pointy, canine teeth ☐

teeth right along jaw bones ☐

overlapping teeth ☐

eye socket facing front ☐

iii) This is the skull of a dog.

iv) longish upper jaw ☐

### Knowledge

... for biting off bits of meat - indicates a carnivore/meat eater ☐

... for piercing/ holding prey - indicates a carnivore/meat eater ☐

... for chewing meat - indicates a carnivore/meat eater ☐

... act like scissors to chop meat - indicates a carnivore/meat eater ☐

... to look for prey - indicates a hunter/ predator ☐

... longer than a cat's ☐

b) i) This is the skull of a **herbivore**.

### ii) Observations

chisel shaped sharp teeth in bottom front jaw ☐

- no teeth in top front jaw ☐
- bony pad top front jaw ☐

grinding teeth at back ☐

gap between front and back teeth ☐

eye socket at side ☐

iii) This is the skull of a sheep.

iv) shortish upper jaw ☐

### Knowledge

... for cutting off grass - indicates a plant eater/ herbivore ☐

... for the incisor teeth to cut against - indicates a plant eater/herbivore ☐

... for grinding up plant material - indicates a plant eater/ herbivore ☐

... allows animal to protrude tongue through gap, wrap around grass and pull into the mouth ☐

... for watching out for enemies - indicates a grazing animal ☐

... shorter than a cow's ☐

What evidence did you use from your previous experience or knowledge?

You can use your self-assessment sheet to decide where your next learning goals should be.

Analyse the results in your self-assessment sheet to decide if:	
<input type="checkbox"/>	I need to observe more carefully.
<input type="checkbox"/>	I need to learn more about animals' skulls and teeth to be able to identify them.
<input type="checkbox"/>	I need to use what I already know to explain what I can see.