

# DIFFERENCE BETWEEN MAMMALS AND OTHER VERTEBRATES

- 1 The Merino is a breed of sheep that is farmed mainly for its wool. The wool is very thick and is made of lots of very thin hairs.

Fig. 1.1 shows a female Merino sheep with her newborn lamb.



Fig. 1.1

The presence of hair is a feature that is only found in mammals.

State **two other** features that distinguish mammals from all other vertebrates.

1 .....

2 .....

[2]

MARKING SCHEME:

pinna(e) / external ears ; mammary glands / milk glands / production of milk / lactating / suckling / breast feeding / nipples / AW ; diaphragm ; (three) <u>bones</u> in the middle ear ; (four) different types of teeth / two sets of teeth ; sweat glands ; enucleated red blood cells ; uterus / placenta / navel / AW ; AVP ;	2
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**Expert solution:**The two features that distinguish mammals from vertebrates are pinnae and mammary glands.

**[or]**The two features that distinguish mammals from vertebrates are [ any 2 from: diaphragm/three bones in the middle ear/four different type of teeth/sweat glands/enucleated red blood cells/uterus]