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.

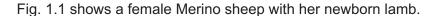




Fig. 1.1

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

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

MARKING SCHEME:

pinna(e) / external ears; mammary glands / milk glands / production of milk / lactating / suckling / breast feeding / nipples / AW; diaphragm; (three) bones 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]