Living in water: what does it take?

Rakali (Hydromys chrysogaster) are specialised mammals, equipped with structural adaptations for life in a semiaquatic environment.





adaptation 1 need for speed

Rakali have broad, partially-webbed feet that improve acceleration when swimming. The large surface area of their feet provides rakali with propulsive force necessary when swimming; a distinct advantage when chasing aquatic prey.

1. Suggest another mammal with webbed feet, and describe its

habitat. V	Vhat is the	function of	webbed 1	feet in you	r mammal	?
•••••				•••••		



adaptation 2 sleek and streamlined

Rakali I	have	a sleel	κ, strea	mline	d body	shape.	Water	has	a	higher
density	and	viscosi	ty than	air, a	and is	therefo	re more	e res	ist	ant to
moveme	ent. S	treaml	ining re	duces	drag in	water,	enhanci	ing a	gili	ty and
speed in	n the	pursuit	of unde	erwate	r prey	•				

2. Name another mammal with similar body shape. What is the

function of this body shape?		



adaptation 3 diminutive features

Rakali's small ears have several functions in its semi-aquatic home. They add to its streamlined body shape. They are retractable, which keeps water out during underwater dives. Their small size also helps to reduce heat loss in cold water.

3.	Describe a different structure used for heat regulation in another organism.						









