0 1	Adrenalin is a hormone with numerous effects. Some of these are listed For each one listed, suggest a reason for this effect during adrenalin's flight' response:	
0 1 . 1	Increased heart rate More oxygen/more glucose pumped to muscles/c	ells [1]
	Increased breathing rate more oxygen into the blood/more carbon diox removed/exhaled /more respiration gases exchanged [1]	iide
WARNING: The word 'more' must be used at least once in this answer, otherwise you imply that oxygen and glucose normally do not move around the body		
	Pupil dilation (widening) more light in (for sharper vision) [1]	
0 1 . 2	Why is it important that adrenalin does not use a negative feedback loo	p? [2 marks]
	once the danger/stress is over, normality is reestablished [1] reduces t energy consumption (the body uses a lot of energy during the "fight or response. [1]	he body's
0 1 . 3	State the gland that adrenalin is released from	[1 mark]
	adrenal [1]	
0 1 . 4	Thyroxine is a hormone that maintains your basal metabolic rate; the rasubstances are broken down and built up in the body. Describe how this works as part of a negative feedback loop.	
	low levels of thyroxine detected by pituitary gland/brain/receptors/coccentre [1] thyroid stimulating hormone is released (by pituitary gland) [1] this causes thyroid gland to release thyroxine [1] as thyroxine levels rise the brain detects this change and reduces the production [1]	

this fluctuation about the norm is called a negative feedback loop [1]