## The endocrine system

**What's in a name? -** The word endocrine derives from the Greek words "endo," meaning within, and "crinis," meaning to secrete,

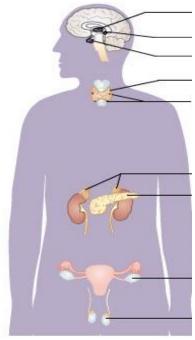
## Introduction to the endocrine system: Core knowledge 1

Watch the video on the prep page and answer these questions - you'll need to pause quite a bit

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-	The endocrine system co-ordinates homeostasis. What does this mean in the context of our bodies?
2)	What role does the endocrine system perform?
3)	What does the endocrine system primary consist of?
4)	What do these constituents do?
5)	What are hormones?
6)	Where do they travel and to where?
7)	Give examples of the actions that hormones help regulate or control
ŕ	How do hormones work?

## Core knowledge 2

Watch this short video on the endocrine system and see if you can label the glands on the diagram <a href="https://www.tutor2u.net/psychology/reference/biopsychology-endocrine-system">https://www.tutor2u.net/psychology/reference/biopsychology-endocrine-system</a>



<b>Challenge</b> : click on this link and read details about the endocrine system. Make further notes on important glands, the hormones they release and their functions								
http://www.innerbody.com/image/endoov.html								

## The endocrine system: Fight or flight

Instructions: Click on the link to watch a brief video about Flight or Flight https://www.youtube.com/watch?v=uxweRCXaLVAlight

Then attempt to fill out the gapped work sheet below using the appropriate word to answer this 6 mark exam question.

Outline the key processes involved with the fight or flight response, make

reference to the role of adrenaline in your answer (6 marks)									
Core knowledge	1: up for th	e fight (or fl	ight)						
•	aroused	:he		_ state when f	mpathetic state) to faced with a perceive to release				
has the effect on causing them to r physiological charfor the	elease ges in the b	heody which ci	reates th	This ne physiologica	triggers I arousal necessary				
					cotrophic hormon	e			
adrena	al gland	fight	pitui	tary gland	flight				
Core knowledge 2: what biological changes occur due to increased adrenaline?									
The physiological changes initiated by the secretion of adrenalin include increased heart rate, increased breathing rate, dilated pupils, inhibits digestion and inhibits saliva production									
Q) feeling anxious? This often leads to the sensation of butterflies in the stomach, can you guess using a physiological reason why these may occur?									
Core knowledge	3: - calmin	g down agai	n						
so we do not use heightened physic	rson down ar rson down ar rson is no lo t and breath rson Th rson to the up all our vit	nd return the onger secretoing rates retailed in the congruence of	em to a ged from to neathetic rein to nervous by stay	the ormal, and the nervous systen us system and ing in a consta	e person establishes n works in act like a int state of				
adrenal gland	calm		stasis oppo	adrenalir sition	•	е			

TASK 2: Label the diagram using the words and phrases below

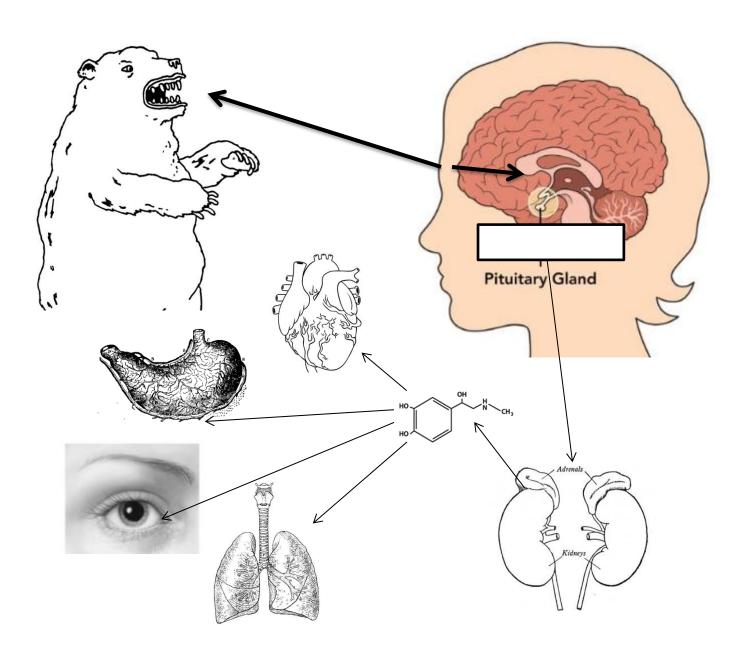
threat heart rate increases to pump blood to vital organs pituitary gland

Releases adrenocorticotrophic hormone (ACTH) Lungs to increase breathing rate for more oxygen

Detected by cells in the adrenal glands (adrenal medulla) adrenaline

pupils dilate for increased vision detected by sensors (eye) and passed to...

stomach to divert blood to the muscles to increase strength



Don't forget the parasympathetic response: After a few minutes, the parasympathetic branch of the ANS is activated, and the body returns to normal by establishing homeostasis. Heart rate and respiratory rates decrease, adrenaline secretion slows down, the feeling of butterflies subside and sweating stops.