Feedback Loops in the Menstrual Cycle

Endocrin Gland	e Hormone	Function		A positive feedback loop is the increase of a	
Ovaries	Estrogen	 Inhibits FSH and LH secretion for most of the menstrual cycle Stimulates FSH and LH secretic before ovulation 	r	response to a stimulus. So the presence of a hormone positively loops back to the source of the hormone, increasing the production of more hormone.	
	Progesterone	- Inhibits secretion of FSH and I	HYPOTHALAMUS	A negative feedback loop is the decrease of a	
Anterior	FSH	 Causes follicles to grow in ovc Causes secretion of estrogen developing follicles 	ries rom	response to a stimulus. So the presence of a hormone negatively loops back to the source of the hormone, decreasing the production of	
, , , ,	LH	- Surge of LH secretion causes ovulation	(GnRH)	more hormone.	
Estrogen le mid-cycle stimulate l secretion	Estrog inhibit LH sec for mo the cyc O evels (days 13-15) LH and FSH	FSH and retion ost of cle	ANTERIOR PITUITARY	Corpus uteum esterone, Estrogen	
herstasis.					