

Hormones

- 1) Hormones are chemicals released directly into blood
- 2) They are carried in the blood to other parts of the body
- 3) Produced in endocrine glands
- 4) only affect particular cells
- 5) control slow, long term changes
- 6) They control to keep concentrations and temperature at a 'set point'

Pituitary gland (in the brain)

controls glands

produces FSH - stimulates follicle growth

ADH - antidiuretic hormone (oxygen growth)

LH - when ovum is released

Adrenal gland (above kidneys)

produces adrenaline

increased

blood sugar, heart rate

and diversion of blood

from skin to muscles

Pancreas

produces insulin - controls blood sugar

Ovaries

produce in different times of the cycle

- oestrogen - promote female secondary sexual characteristics in puberty
- progesterone

Testes
produce testosterone - promotes male secondary sexual characteristics during puberty