

# Hormones

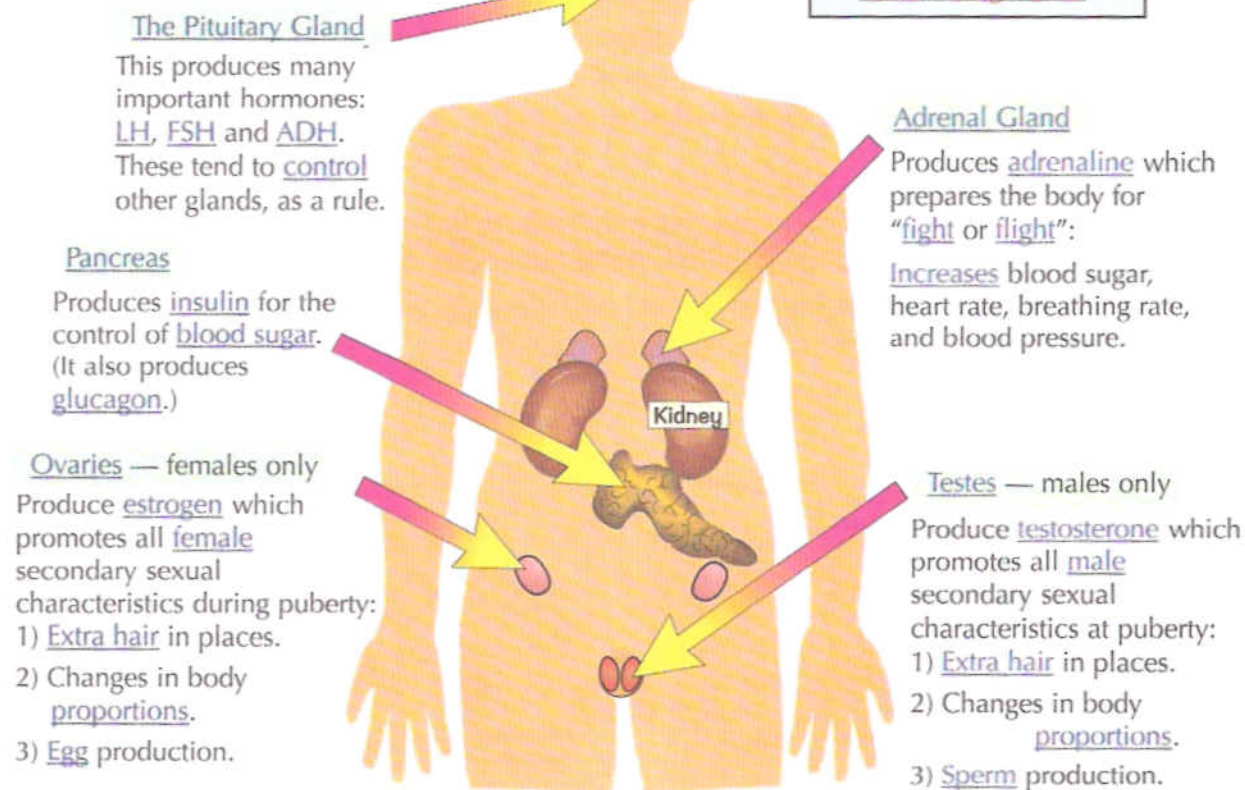
## Hormones are chemical messengers sent in the blood

- 1) Hormones are chemicals released directly into the blood.
- 2) They are carried in the blood to other parts of the body.
- 3) They are produced in various glands (endocrine glands) as shown on the diagram.
- 4) They travel all over the body but only affect particular cells in particular places.
- 5) They travel at "the speed of blood".
- 6) They have long-lasting effects.
- 7) They control things that need constant adjustment.

Learn this definition:

### Hormones...

are chemical messengers which travel in the blood to activate target cells.



## Hormones and nerves do similar jobs, but there are important differences

- Nerves:**
- 1) Very fast message.
  - 2) Act for a very short time.
  - 3) Act on a very precise area.
  - 4) Immediate reaction.

- Hormones:**
- 1) Slower message.
  - 2) Act for a long time.
  - 3) Act in a more general way.
  - 4) Longer-term reaction.

### Hormones — easy...

Well let's face it, there's not much to learn here is there? The diagram and all its labels are easy enough, and so's the comparison of nerves and hormones. The definition of hormones is worth learning word for word. The seven points at the top of the page are best learned by writing a "mini-essay" on them. Learn it, cover the page, and scribble. Then try again. And smile of course.