

How Hormones Control The Body (Filmstrip)

(#'s refer to frames)

4. The body contains 2 kinds of glands: _____ and _____ glands. Exocrine glands contain _____ or _____ (eg. _____, _____).
5. All _____ glands discharge their contents into a _____ part of the body.
6. _____ glands discharge their contents (called _____) into the _____.
11. The _____ glands are located on top of the _____.
12. The adrenal glands release the hormone _____.
13. Adrenalin increases _____ and provides for sudden bursts of _____ required in emergencies.
14. Under medical direction, _____ can be used by allergic people to reduce _____ spasms.
15. Adrenalin can also be used to keep the heart _____.
16. The _____ gland is located in the _____ just above the chest.
17. The _____ gland releases _____ into the bloodstream.
18. The thyroid gland controls the rate at which the body uses _____ to burn _____.
19. Some people are too _____ because the thyroid gland doesn't release enough _____ (hyposecretion) to _____ their food. The unused food is stored as _____.
20. If too much _____ is released (_____), food is quickly oxidized without the person gaining _____.
21. The rate at which oxygen is used by the body is called your _____.
25. Lack of _____ or a thyroid gland can cause improperly formed _____ or _____ at birth.
27. On the underside of the thyroid gland are the _____ glands which control the level of _____ in the blood.
28. In experiments, goats lacking _____ suffer uncontrolled shaking of muscles called _____ because the nerves are affected.
29. The _____ of _____ in the pancreas produce the hormone _____.
30. _____ in the blood keeps the blood sugar less than 1/10 of 1%. More sugar than this may indicate _____.

31. People with diabetes can be treated with injections of _____ made from _____ or _____ (also from _____ or produced using genetic technology).
34. _____ is produced by the pituitary gland and is also called _____. Lack of this hormone can produce a small but perfectly proportioned person. This is called _____.
35. Excess _____ can lead to _____.
38. _____ is a hormone produced by the adrenal _____. It can be used to treat _____.
39. ACTH (_____ hormone) causes production of cortisone (cortisol) and can be used to treat _____.

Extension Questions:

- (i) Name another hormone that could be used to treat arthritis: _____.
- (ii) Name a hormone that could be used to prevent gigantism: _____.
- (iii) Name 2 hormones that could be used to prevent hyperthyroidism: _____ or _____.