

## 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 \_\_\_\_\_.