

The Endocrine System

The screenshot shows the LabXchange library catalog interface. At the top, there is a navigation bar with 'LabXchange', 'Explore', 'Library', and a search bar. The breadcrumb trail reads 'Library catalog > Textbook > Anatomy and Physiology'. The main content area features a card for 'The Endocrine System' with 2 favorites and 51 views. The description states: 'This pathway provides an in-depth look at an overview of the endocrine system, hormones, the pituitary gland & hypothalamus, the thyroid gland, the parathyroid glands, the adrenal gland, the pineal gland, gonadal & placental hormones, the endocrine pancreas, organs with secondary endocrine functions, and development & aging of the endocrine system. The pathway also provides vocabulary support for these topics, as well as opportunities for learners to self-assess their understanding by analyzing figures and answering questions.' Below the description is a 'Show less' link and the upload date 'March 27, 2020'. Metadata includes 'Subject: Physiology +1', 'Language: English', 'Background Knowledge: Some', and 'License: Attribution (CC BY 4.0)'. An OpenStax logo and a link to 'View original textbook' are also present. A 'Start pathway' button is located at the bottom right of the card.

Learning objectives

1. You will identify the contributions of the endocrine system to homeostasis.
2. You will discuss the chemical composition of hormones and the mechanisms of hormone action.
3. You will summarize the site of production, regulation, and effects of the hormones of the pituitary, thyroid, parathyroid, adrenal, and pineal glands.
4. You will discuss the hormonal regulation of the reproductive system.
5. You will explain the role of the pancreatic endocrine cells in the regulation of blood glucose.
6. You will identify the hormones released by the heart, kidneys, and other organs with secondary endocrine functions.
7. You will discuss several common diseases associated with endocrine system dysfunction.
8. You will discuss the embryonic development of, and the effects of aging on, the endocrine system.