

Unit 4: The Reproductive System

The screenshot shows the LabXchange library 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 Reproductive System' pathway, which includes a description, metadata (uploaded March 27, 2020), and filters for subject (Physiology +1), language (English), background knowledge (Some), and license (Attribution (CC BY 4.0)). A 'View original textbook' button is visible on the right, and a 'Start pathway' button is at the bottom right.

Learning objectives

1. You will describe the anatomy of the male and female reproductive systems, including their accessory structures.
2. You will explain the role of hypothalamic and pituitary hormones in male and female reproductive function.
3. You will describe the path of a sperm cell from its initial production through fertilization of an oocyte.
4. You will explain the events in the ovary prior to ovulation.
5. You will describe the development and maturation of the sex organs and the emergence of secondary sex characteristics during puberty.