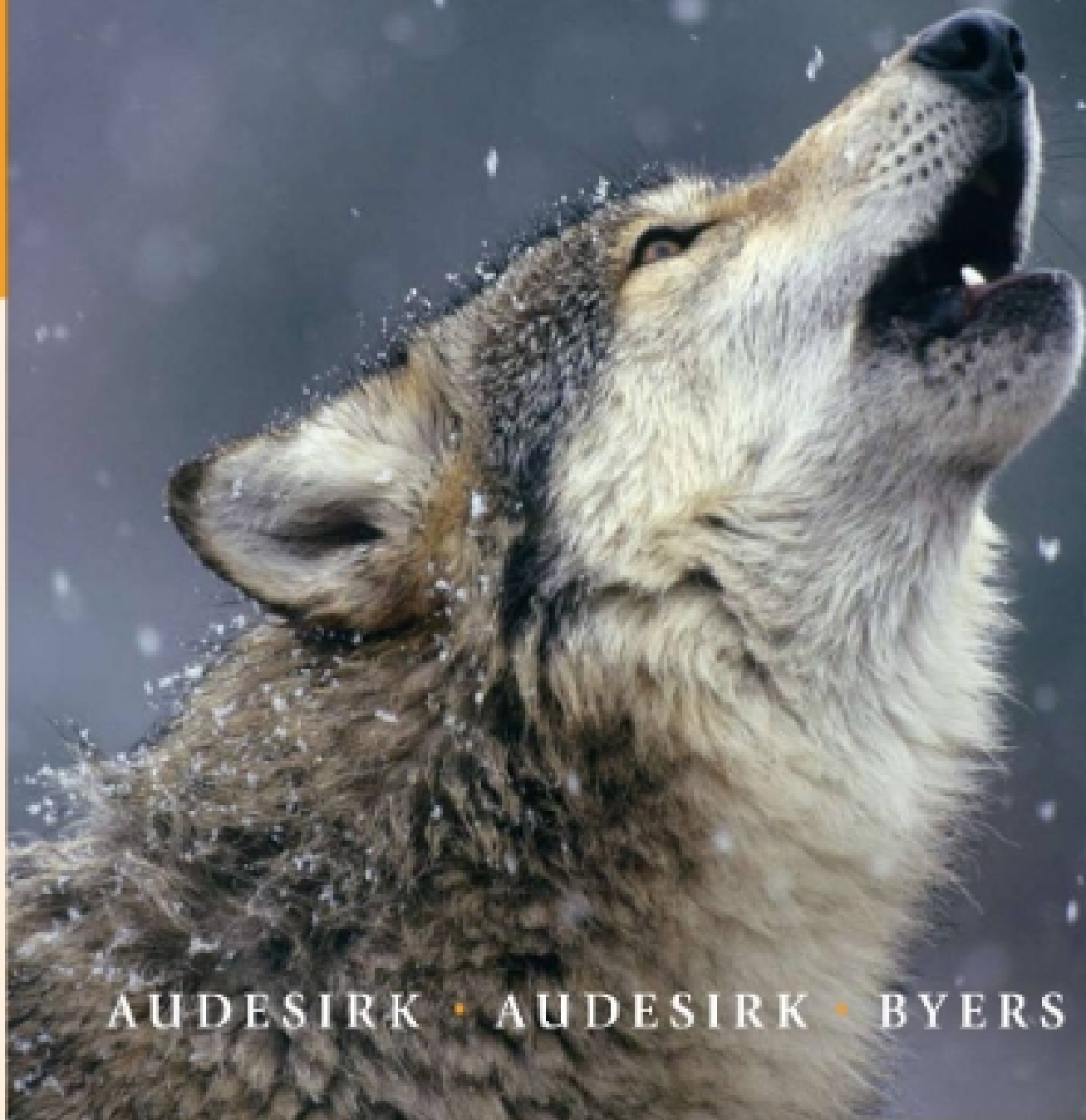


NINTH EDITION

# BIOLOGY

LIFE ON EARTH



## Chapter 37

### Chemical Control of the Animal Body: The Endocrine System

Lecture Outlines by Gregory Ahearn,  
University of North Florida

# Chapter 37 At a Glance

- 37.1 How Do Animal Cells Communicate?
- 37.2 How Do Animals Hormones Work?
- 37.3 What Are the Structures and Functions of the Mammalian Endocrine System?

## 37.1 How Do Animal Cells Communicate?

- Individual cells of an animal's body must communicate with one another to ensure the proper functioning of the whole
  - Methods of communication between cells fall into four broad categories:
    - ***Direct***
    - ***Synaptic***
    - ***Paracrine***
    - ***Endocrine***