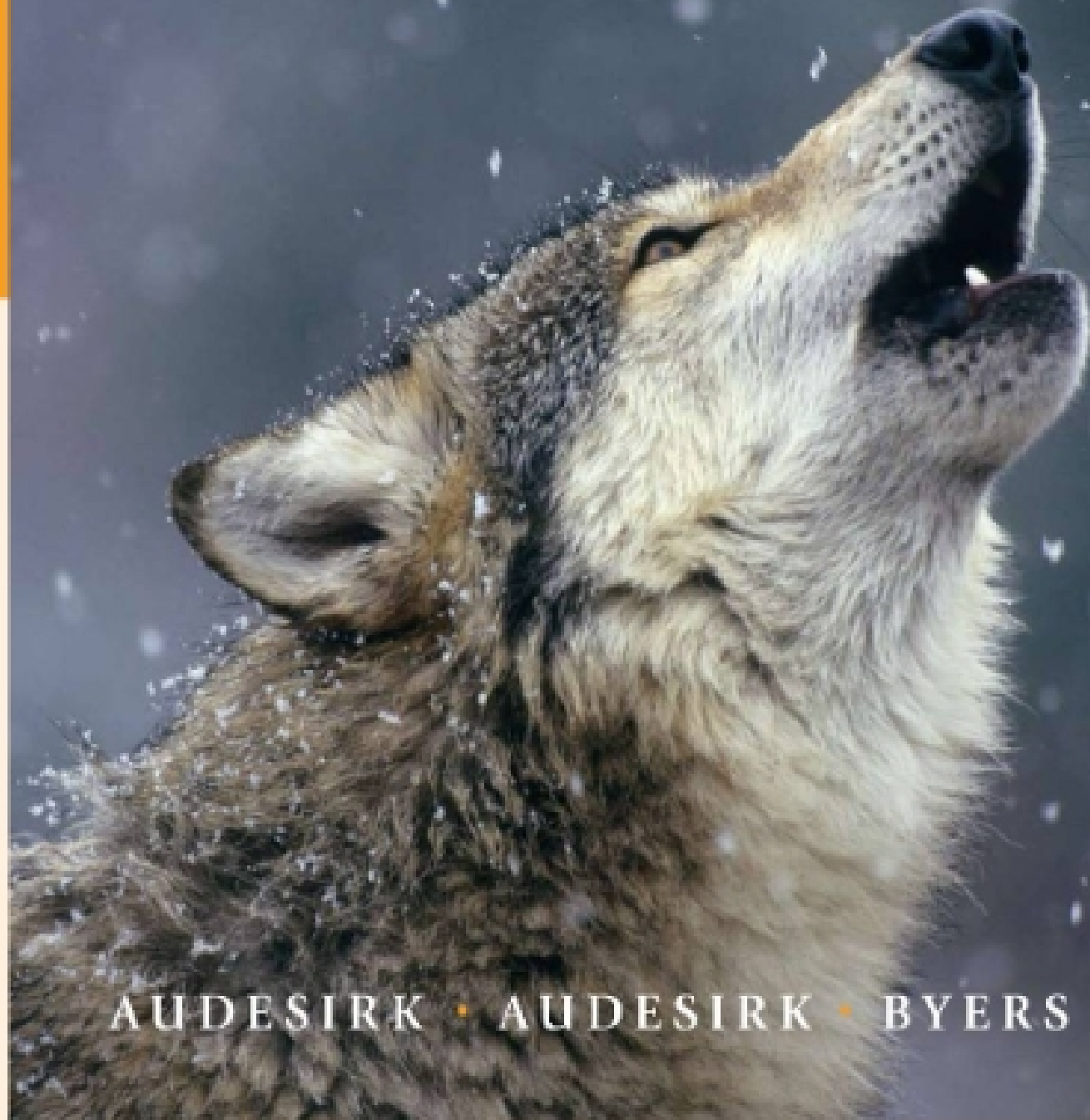


NINTH EDITION

BIOLOGY

LIFE ON EARTH



Chapter 19

The Diversity of Prokaryotes and Viruses

Lecture Outlines by Gregory Ahearn,
University of North Florida

Chapter 19 At a Glance

- 19.1 Which Organisms Are Members of the Domains Archaea and Bacteria?
- 19.2 How Do Prokaryotes Survive and Reproduce?
- 19.3 How Do Prokaryotes Affect Humans and Other Eukaryotes?
- 19.4 What Are Viruses, Viroids, and Prions?

19.1 Which Organisms Are Members of the Domains Archaea and Bacteria?

- Earth's first organisms were prokaryotes, single-celled microbes that lacked organelles
- Prokaryotes are still abundant, forming two of life's three domains
 - **bacteria**
 - **archaea**