

SUGGESTED SKILL

 *Concept Explanation*

1.A

Describe environmental concepts and processes.



AVAILABLE RESOURCES

- Classroom Resource > [AP Environmental Science Teacher's Guide](#)
- The Exam > Chief Reader Report (2018, Q1, 2017, Q1)
- The Exam > [Student Performance Q&A 2016, Q1](#)
- The Exam > Samples and Commentary (2018, Q1, 2017, Q1, 2016, Q1)
- Classroom Resource > [Quantitative Skills in the AP Sciences \(2018\)](#)

TOPIC 2.3

Island Biogeography

Required Course Content

ENDURING UNDERSTANDING

ERT-2

Ecosystems have structure and diversity that change over time.

LEARNING OBJECTIVE

ERT-2.D

Describe island biogeography.

ESSENTIAL KNOWLEDGE

ERT-2.D.1

Island biogeography is the study of the ecological relationships and distribution of organisms on islands, and of these organisms' community structures.

ERT-2.D.2

Islands have been colonized in the past by new species arriving from elsewhere.

ERT-2.E

Describe the role of island biogeography in evolution.

ERT-2.E.1

Many island species have evolved to be specialists versus generalists because of the limited resources, such as food and territory, on most islands. The long-term survival of specialists may be jeopardized if and when invasive species, typically generalists, are introduced and outcompete the specialists.