

World of 8 Billion Contest Connections to AP Biology Standards

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Climate Migration

Unit 8 - Ecosystems

- Topic 8.7 - Disruptions to Ecosystems
 - SYI-2.B.1 The distribution of local and global ecosystems changes over time.
 - SYI-2.B.2 Human impact accelerates change at local and global levels—
 - a. The introduction of new diseases can devastate native species.
 - b. Habitat change can occur because of human activity.

Health

Unit 7 - Natural Selection

- Topic 7.8 - Continuing Evolution
 - EVO-3.A.2 All species have evolved and continue to evolve—
 - a. Genomic changes over time.
 - b. Continuous change in the fossil record.
 - c. Evolution of resistance to antibiotics, pesticides, herbicides, or chemotherapy drugs.
 - d. Pathogens evolve and cause emergent diseases.

Unit 8 - Ecosystems

- Topic 8.7 - Disruptions to Ecosystems
 - SYI-2.B.1 The distribution of local and global ecosystems changes over time.
 - SYI-2.B.2 Human impact accelerates change at local and global levels—
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Invasive Species

Unit 8 - Ecosystems

- Topic 8.6 - Biodiversity
 - SYI-3.G Explain how the addition or removal of any component of an ecosystem will affect its overall short-term and long term structure.
- Topic 8.7 - Disruptions to Ecosystems

- SYI-2.A Explain how invasive species affect ecosystem dynamics.
- SYI-2.A.1 The intentional or unintentional introduction of an invasive species can allow the species to exploit a new niche free of predators or competitors or to outcompete other organisms for resources.
- SYI-2.A.2 The availability of resources can result in uncontrolled population growth and ecological changes.
- SYI-2.B.1 The distribution of local and global ecosystems changes over time.
- SYI-2.B.2 Human impact accelerates change at local and global levels—
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