

# Grade 12

## Unity and Diversity

**3** Recognize ecosystem changes that affect the number and types of organisms in that ecosystem (e.g., climate, pollution). [SCI.AAS.ES.HS.3](#)

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## Earth and Human Activity

**6** Distinguish between common renewable (e.g., solar, wind, hydroelectric, geothermal) and nonrenewable (fossil fuels, nuclear, natural gas) energy sources. [SCI.AAS.ES.HS.6](#)

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**6b** Identify the risks and benefits of using renewable and nonrenewable energy sources in Alabama. [SCI.AAS.ES.HS.6B](#)

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**8** Describe human activities that may affect ecosystems in positive and negative ways. [SCI.AAS.ES.HS.8](#)

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**9** Recognize how natural resources and natural hazards influence human activity (e.g., less rainfall may cause water conservation methods, flood can result in less crops, structure changes to buildings to account for earthquakes or hurricanes). [SCI.AAS.ES.HS.9](#)

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**9a** Identify how environmental change may impact people in certain geographical locations. [SCI.AAS.ES.HS.9A](#)

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**11b** Recognize factors that affect natural water sources (e.g., pollution, agricultural runoffs) and ways humans can protect them (e.g., methods of water treatment and conservation). [SCI.AAS.ES.HS.11B](#)

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**12b** Identify the effects of urbanization on the environment. [SCI.AAS.ES.HS.12B](#)