

GRADE 9 SCIENCE

CONSERVATION OF BIODIVERSITY

Teacher Prompts

Human Impact

How do Western scientific approaches to species conservation differ from Indigenous methods?

Integration of Indigenous Perspectives

In what ways do Indigenous practices offer insights that might be missing from traditional Western scientific approaches?

Mother Earth

What are some practical ways to teach students about relationality and the interconnectedness of all living things?

Relationality

How can the principle of relationality (seeing all living things as interconnected) be applied to real-world conservation projects?

Colonialism and Biodiversity Loss

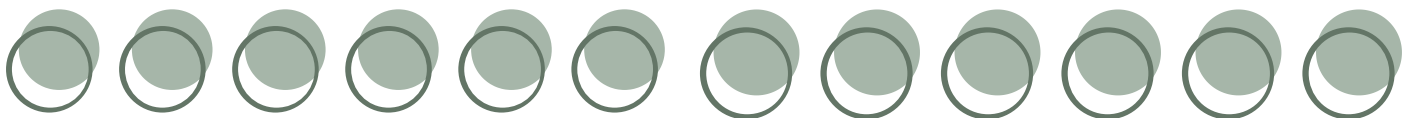
What are some steps that can be taken to address the historical and ongoing effects of colonialism on the environment?

Discussions

How can the insights from this lesson be integrated into classroom discussions?

Graphic Organizers

How can graphic organizers help students understand complex relationships between human actions and species survival?



Name: _____


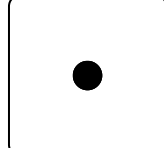
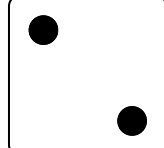
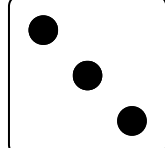
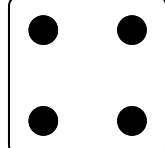
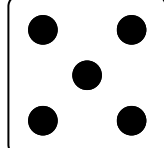
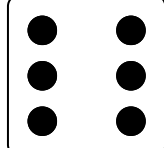
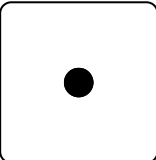
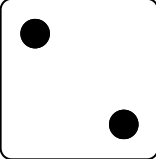
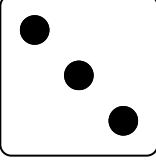
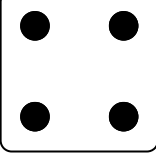
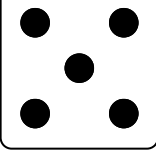
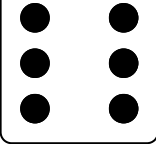
Class: _____

Grade 9

Science Conservation of Biodiversity

GROUP TALK

Play with a partner and two dice. Roll the dice and ask the question that corresponds to the number rolled. Continue playing until there are no more questions!

						
	How do human actions affect species survival?	Why use both Western science and Indigenous knowledge in conservation?	What human actions harm the environment?	How can different types of knowledge help conservation?	What did you learn about the role of human impact?	What are Indigenous views on the environment?
	Why are Indigenous partnerships important in conservation?	How do Indigenous practices protect biodiversity?	Describe one benefit of Indigenous knowledge in conservation?	How could conservation improve with Indigenous knowledge?	What is relationality?	How does relationality relate to pollution?
	Why are human-environment connections important?	How does relationality affect conservation efforts?	What are 2 actions you can take to help protect the environment?	What local activities help care for the Earth?	How does recycling reflect Indigenous knowledge?	What is one Indigenous principle you can apply?
	Why is it important to care about future generations in conservation?	Why is it important to consider colonialism in conservation?	What are 2 actions we can take to support Indigenous-led conservation?	What colonial impacts still affect the environment today?	What is one traditional Indigenous practice that can help protect the land?	What is one way Indigenous people manage natural resources?
	How do Indigenous perspectives promote sustainable living?	How does our relationship with nature affect conservation?	What is one example of how human actions disrupt natural relationships?	Why is it important to recognize colonial history in conservation?	How do Indigenous stories shape our understanding of nature?	What is one way to incorporate Indigenous knowledge into school lessons?
	What impact does relationality have on ecosystems?	What is one lasting effect of colonialism on the environment?	How can youth lead efforts to protect the environment?	What is a community project you could start to promote environmental care?	What is one surprising fact you learned about conservation?	What role do youth have in promoting biodiversity?