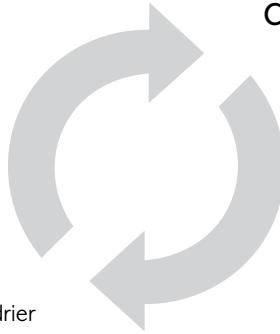


CLIMATE CHANGE AND FORESTS

Increased amounts of carbon dioxide in the atmosphere result in warmer temperatures and other changes in Earth's climate.

CLIMATE CHANGE AFFECTS OREGON'S FORESTS:

- Rising temperatures and longer droughts in some parts of Oregon cause more frequent and intense fires, and more insect and disease outbreaks.
- More intense storms cause some trees and branches to fall, making forests more prone to insect and disease outbreaks while also fueling wildfires.
- Changes in moisture affect which tree species make up Oregon's forests. Climate change brings drier conditions in some areas and wetter conditions in others.



FORESTS CAN REDUCE THE EFFECTS OF CLIMATE CHANGE:

- Forests can reduce carbon dioxide in the atmosphere. Trees absorb and store carbon through photosynthesis.
- Carbon continues to be stored in the wood even after a tree is harvested and made into wood products.
- Forests lower temperatures by providing shade and releasing water from their leaves.

Directions: Draw a diagram to show both how climate change affects forests and how forests affect climate change.

Question:

Why is it important to understand the effects of climate change on forests?
