# Forest Service and Climate Change Video (l o f 2) 

NAME

Read over the following questions. Then watch the I3-minute video to learn more about what the U.S. Forest Service is doing to help our forests as we deal with a changing climate. Answer the questions as you watch the video.

## Video Questions

I. What is the environmentally friendly machine that helps to trap carbon dioxide $\left(\mathrm{CO}_{2}\right)$ ? $\qquad$
2. What is the process by which trees remove $\mathrm{CO}_{2}$ from the atmosphere?
3. Forests cover almost $\qquad$ of the world's total land area and account for $\qquad$ \% of the annual interchange of carbon between the atmosphere and the land.
4. Name the three main roles of the U.S. Forest Service with regard to climate change:
I) $\qquad$
2) $\qquad$
3) $\qquad$

## Video Break Discussion

5. What is mitigation? Describe one example of this strategy used by the U.S. Forest Service and explain how it mitigates against climate change.

## Video Break Discussion

6. What is adaptation? Describe one example of this strategy and explain why it is an adaptation to future climate change.
7. Finish the quote: "It's not only about changing light bulbs, it's about changing
$\qquad$ and $\qquad$ ."

# Forest Service and Climate Change Video (2 of 2) 

## After Video Discussion Questions

I. What is the difference between adaptation and mitigation?
2. What is one practice that the U.S. Forest Service does to operate sustainably that your school could also do?
3. The video mentions both cutting down trees for wood products and planting trees to create new forests as mitigation strategies. How can both actions reduce the amount of $\mathrm{CO}_{2}$ in the atmosphere?

