

# Carbon cycle feedbacks

Carbon dioxide exchanges between ocean surface and atmosphere.  
This balances carbon in ocean and atmosphere.

## Human actions

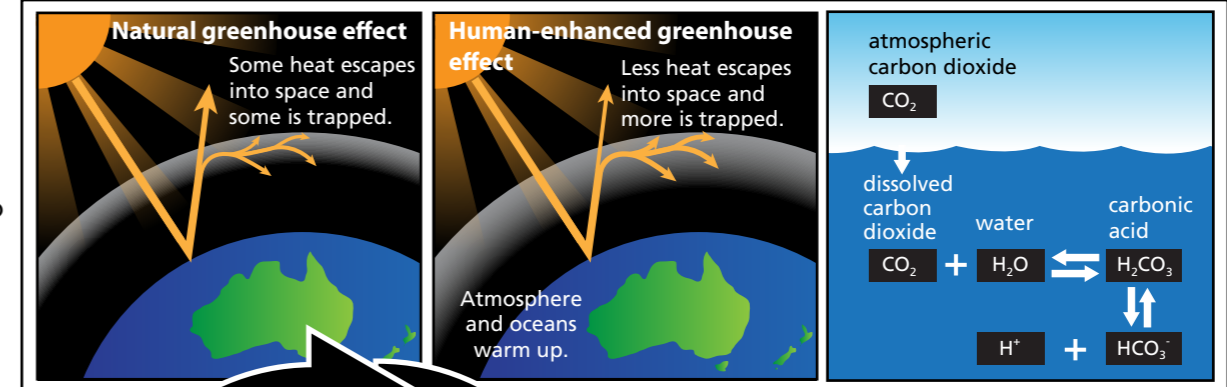
increase concentrations of greenhouse gases, such as carbon dioxide and methane, in the atmosphere.

For example:

- making concrete and cement;
- producing electricity from coal;
- some agricultural practices;
- burning fuel for transport and heating; and
- deforestation for timber and urbanization.

## Reaction

Increased concentrations of greenhouse gases in the atmosphere enhances the greenhouse effect. This causes temperature of atmosphere and ocean to rise. In addition, more carbon dioxide in the ocean lowers ocean pH (ocean acidification).



**STATEMENT**

**FEEDBACK**

**FEEDBACK**

**FEEDBACK**

### Instructions:

- Choose a **STATEMENT** card.
- Find three **FEEDBACK** cards that fit the statement and create a feedback loop.

Many **FEEDBACK** cards are predictions based on current scientific knowledge.