

May. 20, 2019

Day 3/163

At the end of today's lesson you will;

- *What causes climate change?*

Classwork-

- **Earth's Changing Climate 2.6**
- *Students explore how energy interacts with carbon dioxide and methane in the atmosphere.*
- *They are introduced to a new feature in the Sim called Energy Tracker, which traces the pathway of individual energy arrows.*
- *Using this feature, students observe that both carbon dioxide and methane absorb outgoing energy, and that when the energy is reemitted, it sometimes travels back to Earth's surface.*
- *Students then use the Energy Token Model to investigate how these interactions affect the energy balance in the Earth system.*
- *The purpose of this lesson is to help students understand the mechanism that links increased carbon dioxide and methane to increased global temperature.*

Homework-

- *For homework, students explore a new version of the Modeling Tool that allows them to model the path of energy in the atmosphere. Complete all of the activities from today's Earth's Changing Climate 2.6 lesson.*

