

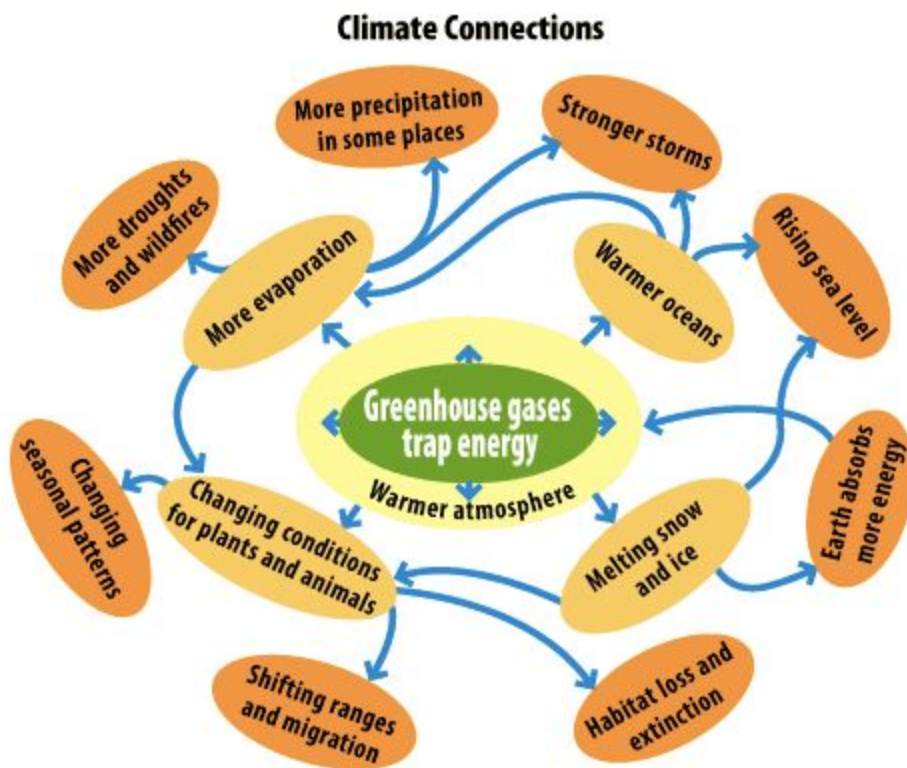
LESSON 2: UNDERSTANDING CLIMATE CHANGE

[Link: Introduction to Climate Change](#)

What is the difference between global warming and climate change? (Be sure to answer the two CLIMATE CHALLENGE questions at the bottom of the webpage.)

[Global Warming:](#)

[Climate Change:](#)



According to this graphic, what are 4 direct consequences of a warmer atmosphere?

- 1.
- 2.
- 3.
- 4.

List one secondary effect for each of these consequences.

1a.

2a.

3a.

4a.

Video : A brief Overview of the Greenhouse Effect

After watching the short video and reading the article, summarize in your own words what the greenhouse effect is.

Answer:

Greenhouse Gases: [Link: Overview of Greenhouse Gases](#)

What is a greenhouse gas?

Answer:

What is the major greenhouse gas produced by humans? Are there any others?

Answer:

Link: Sources of Greenhouse Gases

What are their sources of production by percentage?

Answer:

All About Carbon Dioxide: [Link: Carbon Dioxide Statistics](#)

Watch the video on the carbon cycle and explain how people may be changing its natural balance.

[Answer:](#)

Earth's Climate in the Past [Link: Understanding Climate Change](#)

What are some factors that were responsible for changing Earth's climate in the past?

[Answer:](#)

Future Climate: [Link: Understanding Future Climate Change](#)

How is today's climate change different?

[Answer:](#)