

How are people changing the climate?

More

1. Man-made climate change?

Solution: Worksheet 1

1.

Notice the remarkable co-variance between CO₂ concentrations and the temperature in the atmosphere. From this diagram we may interpret that there is a obvious relationship between these two features - between CO₂ concentrations and atmospheric temperatures.

During the last 120 000 years we see a tendency of declining concentrations of CO₂, while the last 15 000 years this tendency has turned into an opposite trend. The concentrations are rising.

2.

a)

Fossil fuels:

- Oil
- Coal
- Natural gas

Non-fossil energy sources:

- Nuclear power
- Hydro power
- Biomass
- Renewable