

PD-C2- Greenhouse effect

Instructions :

- 1-Write the captions from document 1 on the drawing (document 3).**
- 2-On doc 3 : colour in yellow the arrows (→) corresponding to the light beams.**
- 3-On doc 3 : colour in red the arrows corresponding to the infrared rays.**
- 4-Explain the consequence of greenhouse gas emission due to human activities from XVIII and the invention of the steam engines.**
- 5-Using the drawing (doc 3), make a video to explain what greenhouse effect is.**

Document 1 : Write these captions on the drawing (document 3)

- Light beams that are absorbed by the Earth surface
- Infrared rays leaving the atmosphere
- Light beams that are reflected by the atmosphere
- Infrared rays that are reflected towards the Earth surface and trapped in the atmosphere
- Light beams absorbed by greenhouse gas
- Infrared rays produced by the Earth surface
- Light beams produced by the Sun

Document 2 : Infrared rays

Infrared light (often written **IR**) is an electromagnetic radiation (a set of rays) whose frequency is inferior to light beams's but superior to microwaves's.

The infra-red light is connected to heat because, for a common surrounding temperature, every object automatically produces a thermal radiation.

Document 3 : Drawing to complete

