

## Climate film > Effective Measures

How extensive an impact that changes to the climate will have, is largely dependent on how much we cut back on greenhouse gas emissions. First and foremost, we must convert to more climate-friendly energy production and use energy more efficiently. We must utilize tried and tested technology, develop new technology, consider which measures work best, and spread the technology across country frontiers. Climate measures will to a great extent be about politics. At the same time, it is often easy to just shove the responsibility over on to "the system". Then we feel justified in continuing to consume in the same manner as before; after all, our contribution is just a drop in the ocean. However consumption of products, heating of households, transport to school and jobs, vacation trips and waste disposal are also important elements of the picture. What can you do to live more climate-friendly?

### Assignments to complete before you watch the film

1. Provide an example of an initiative that can reduce CO<sub>2</sub> emissions.
2. What can you personally do to reduce CO<sub>2</sub> emissions?

### Assignments relating to the film

1. Provide two examples of countries that consume a lot of energy per inhabitant, and two examples of countries that consume little energy per inhabitant. Why do you think these countries have different levels of energy consumption?
2. Norway discharges 8.5 metric tons CO<sub>2</sub> per inhabitant per year, while corresponding figures in Sweden amount to 5 metric tons. Why are CO<sub>2</sub> emissions larger in Norway than in Sweden?
3. How can we change our use of energy so that we reduce CO<sub>2</sub> emissions?
4. Describe the main principle for how modern solar cells work.
5. Why can research on solar cells be an important contribution toward reducing CO<sub>2</sub> emissions?
6. At Mongstad the research scientists are working with carbon capture and storage (CCS). What challenges must be solved before this technology can be put to use?
7. What measures can you as an average person carry out in the course of a normal day?
8. How can you influence political decisions that promote initiatives to reduce CO<sub>2</sub> emissions?

## Intensified assignments

1. Describe how waste disposal and waste volume in this day and age are raising levels of CO<sub>2</sub> emissions.
2. What measures for waste disposal and reduction of waste volume can contribute toward reducing CO<sub>2</sub> emissions?
3. Imagine that all the families in Norway are required to reduce their transport by private vehicle by 50 %. What consequences would this have for you?