

## Energy saving

### **Saving energy at home**

Answer the following questions:

- How much energy do we use at home and what do we use it for?
- How can we save some of this energy?
- How much energy do private households in Germany/worldwide use?
- What causes most of this energy consumption?
- What measures could be taken (also at a political level) to reduce this consumption?

Evaluate the information provided to you or do research online. Use the links from the link list for this.

Present your answers and results to the other groups.

### **Saving energy in traffic and transportation**

Answer the following questions:

- How much energy do we use on the way to school?
- How much energy do various means of transportation require?
- How much energy is needed for traffic and transportation throughout Germany/the world?
- What can be said about the CO<sub>2</sub> emissions of various means of transportation?
- What possibilities do individuals have for reducing this energy consumption and the emission of pollutants?
- What possibilities exist politically, throughout Germany/the world?

Evaluate the information provided to you or do research online. Use the links from the link list for this.

Present your answers and results to the other groups.

### **Saving energy in lighting**

Answer the following questions:

- How much energy does lighting in a home consume?
- What possibilities do you have for reducing this energy consumption?
- How much energy is needed in Germany/worldwide for lighting?
- What measures has the government taken to reduce this energy consumption? Are there additional possibilities?
- What ecological disadvantages result from excessive electrical lighting?

Evaluate the information provided to you or do research online. Use the links from the link list for this.

Present your answers and results to the other groups.

### **Saving energy in communication**

Answer the following questions:

- How much energy is needed to operate a telephone (mobile phone, smartphone)?
- How much energy does a computer (laptop, tablet) require?
- Electronic devices are just one part of the communications infrastructure. What other components are there? How high is the energy requirement in Germany/the world?
- Are there possibilities for reducing this energy requirement?

Evaluate the information provided to you or do research online. Use the links from the link list for this.

Present your answers and results to the other groups.