

Information DRY EEG research Centre for Language Studies Lab

Your brain is made of cells called neurons. These cells send tiny electrical signals. This is called brain activity. We can measure this activity with a method called EEG (electroencephalogram). In an EEG experiment, you wear a special cap on your head. This cap has small sensors called electrodes. These sensors measure your brain activity. EEG experiments can take between 1 to 2 hours.

Preparation at home

To ensure that the EEG works properly, we ask you to do the following before you arrive:

- Wash and dry your hair
- Do not use gel or hairspray
- Do not use facial cream or make-up
- Bring a comb or hairbrush
- Bring your reading glasses. If you wear contact lenses, bring your glasses as well

At the EEG-lab

We will put a soft cap (sort of bathing cap) on your head. Small electrodes are attached to the cap. Your eyes, nose, mouth, and lower face will not be covered. To obtain clear signals, it is important that the electrodes make good contact with your skin. We do not use gel, but the electrodes are pressed firmly against your head. This may cause you to feel some pressure on your head. Sometimes, small marks may remain on your skin. These usually disappear within an hour.



During the experiment

Each experiment is different. The researcher will tell you what to do. You may be asked to:

- Look at a computer screen
- Listen to sounds
- Do a reaction test
- Make small movements
- Or just sit and relax

During the experiment, you will be seated in a booth. The researcher will be in the same room, outside the booth. You can talk to the researcher via an intercom, and they can see you via a camera. This communication is not recorded.

It is important that you let the researcher know if the electrodes are pressing too hard or feel uncomfortable. After the experiment, the researcher will remove the cap and electrodes from your head.

Safety

EEG is safe and painless. You will not be given any medication or substances. You **cannot** participate if:

- You had surgery on your head or brain
- You have epilepsy
- You regularly suffer from migraines
- You have claustrophobia (fear of small, enclosed spaces)

If any of these apply to you, please contact the researcher.

What happens to your data?

In an EEG study, we measure how your brain reacts during the experiment. We collect this data to answer the research question. It cannot be used for medical advice or to diagnose health problems.