

Student experiment  
(5th - 10th grade)

## Low-cost ethanol burner

🕒 Time: max. 15 min.

### Safety:

safety glasses



### Instruments:

- glass ampules
- plastic base of a measuring cylinder
- a wick (or a paper towel)

### Chemicals:

- ethanol (H: 225; P: 210)

### Experiment:

- Place a glass ampule on the plastic base of a measuring cylinder to enhance its stability.
- Fill the ampule with ethanol.
- Place a wick into the ampule. An alternative can be manufactured from a paper towel, from which a 3 x 10cm strip has been cut. The strip can be carefully rolled together to serve as a wick.

### Advice for the teacher:

The low-cost ethanol burner can reach temperatures of roughly 800°C, whereas normal candles only produce flame temperatures of about 640°C.