

## Part A3

### Systematic investigation in chemistry

Your assignment is to plan an investigation that you later will carry out and evaluate.

Pyrosis is when acidic substances from the stomach come up in the gullet in so called heartburns.



The heartburns partly consist of hydrochloric acid and can be neutralized with a medical drug. If the medical drug is going to work, it must contain neutralizing substances. In a laboratory it is possible to investigate different compounds' possibility to neutralize an acidic solution.



#### 11. Planning (Time 30 minutes)

You are going to plan an investigation to find out:

**Which** one of the three solids common salt, bicarbonate **or** sugar has the best neutralizing capacity when they are mixed in an acidic solution?



## Part A3

### Planning a systematic investigation in chemistry

#### ***Method of investigation***

Write an instruction how you, step by step, will proceed your investigation.  
Describe with details so that someone else can follow your plan.

#### ***Equipment***

Specify what equipment you need to realize your investigation.

*Leave your plan to your teacher. If needed, you will get a prepared experiment instruction to carry out your investigation.*

*Use your own plan*

*Use the prepared experiment instruction*

**Adjustments from the teacher:**