

## On the scrap heap - Student sheet

---

### Rust in the workplace

The economic damage of material corroding in workplace environments is high. Therefore procedures have to be developed that investigate the conditions that have to be met to lower the damage and keep materials like iron in their initial shape.

### Problem

One problem of the car industry is that material like iron can rust under certain conditions. Auto parts like the exhaust pipe can rust and will have to be replaced.

You are asked for advice how to store and treat exhaust pipes in the best way. You should end up with a short and significant advice sheet for the car industry.

As material, you will receive iron wool to test your hypotheses in experiments. The usual equipment for hands-on experiments is available.