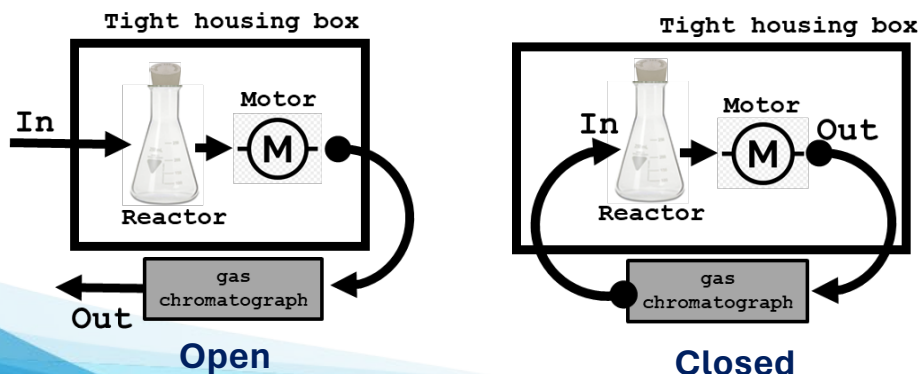


## Automatic & Dynamic Real Time Measurement of the Gaseous Composition of the Atmosphere in a Chemical Reaction

### Key Features

- ✓ **Automated.** All operations could be pre-programmed). No human intervention.
- ✓ **Dynamic.** Reactions could be externally controlled.
- ✓ **Real-time.** Get measurements as fast as the chromatograph allows.
- ✓ **Closed or continuous.** Insulated from the environment, avoid any contamination.



### Applications

- ✓ Phase changes (\* to Gas)
- ✓ Electrochemistry
- ✓ Catalysis
- ✓ Alive monitorization (Plants/Animals).

**Example**  $2\text{H}_2\text{O} \rightarrow 4\text{H}^+ + 4\text{e}^- + \text{O}_2$  Monitor the kinetics while varying the parameters externally, without human intervention.

