

# ChemPy

- <https://pypi.org/project/chempy/> : installation et documentation

prog-test-02.py

```
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
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Librairie chempy :
https://pypi.org/project/chempy/#documentation
https://github.com/bjodah/chempy
installation Linux : conda install -c bjodah chempy pytest
installation Windows & OS X :
python3 -m pip install chempy pytest
python3 -m pytest -rs -W ignore::chempy.ChemPyDeprecationWarning --
pyargs chempy
"""
from chempy import Substance
from chempy import balance_stoichiometry
from pprint import pprint

# A=input('entrer le réactif 1')
# B=input('entrer le réactif 2')
# C=input('entrer le produit 1')
# D=input('entrer le produit 2')
# E=input('entrer le produit 3')
# F=input('entrer le produit 4')
A = 'NH4ClO4'
B = 'Al'
C = 'Al2O3'
D = 'HCl'
E = 'H2O'
F = 'N2'

print(A, B, C, D, E, F)

reac, prod = balance_stoichiometry({A, B}, {C, D, E, F})
pprint(dict(reac))
pprint(dict(prod))
```

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