

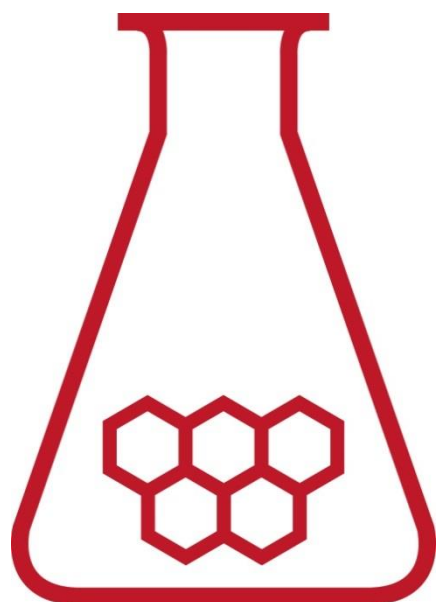
44^e National Chemistry olympiad

University Leiden

THEORY TEST

answer sheets

Monday 12 June 2023



**SCHEIKUNDE
OLYMPIADE**



55TH INTERNATIONAL
CHEMISTRY OLYMPIAD
SWITZERLAND 2023



Universiteit Leiden

Name: _____

N.B.: Do not forget to write your name on the first page!!

Question 3

In CoO_2 : the charge of Co is and the charge of O is

In LiCoO_2 : the charge of Li is, the charge of Co is and the charge of O is

Question 9

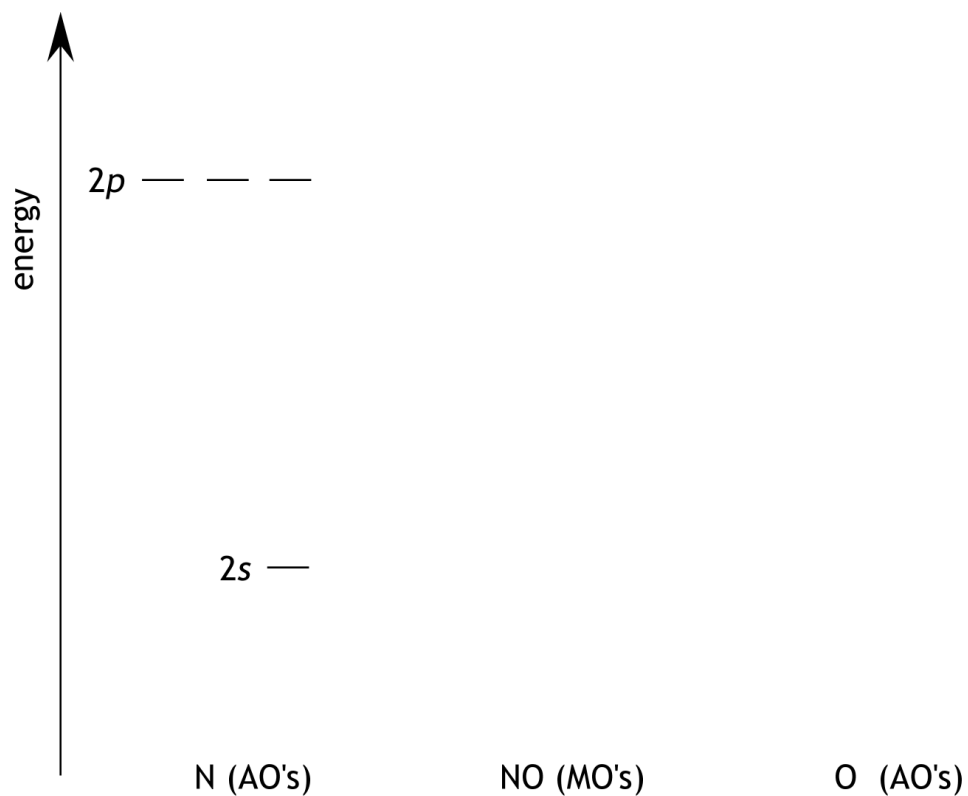
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$[B]_{\text{new}}$ is larger than / equal to / smaller than $[B]_{\text{original}}$

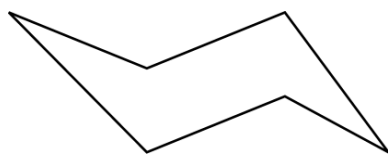
$[C]_{\text{new}}$ is larger than / equal to / smaller than $[C]_{\text{original}}$

$[D]_{\text{new}}$ is larger than / equal to / smaller than $[D]_{\text{original}}$

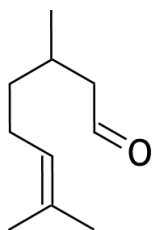
Question 12



Question 25



Question 26



Question 27

