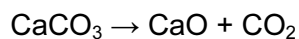


RELATIVE FORMULA MASS-M_r

4.16.1

Calcium carbonate is an important raw material.

When calcium carbonate is heated strongly, it decomposes.



(i) Calculate the relative formula mass of:

CaCO₃

CaO [2]

(ii) 7.00 kg of calcium oxide was formed. What mass of calcium carbonate was heated?

.....

..... [2]

-----Marking Scheme-----

- | | | |
|------|---|-----|
| (i) | 100 | [1] |
| | 56 ignore units in both cases | [1] |
| (ii) | 7.00kg is $\frac{1}{8}$ of 56 | [1] |
| | $\frac{1}{8}$ of 100kg is 12.5kg | [1] |
| | Give both marks for correct answer without explanation. Ignore missing units but penalise wrong units | |