Conservation of mass

Answers

GCSE science calculations

This topic online

Q	Answer	Marks
1	10.2 g	1
2	55.55 g	1
3	3.2 g	2
4	1.17 kg	2
5	1100 kg	2
6	880 mg	2
7	2.20 g	2
8	2.20 g	3
9	**a)** 1.27 g **b)** 0.32 g	3
10	**a)** 0.88 g **b)** 0.52 g **c)** open: The reaction makes carbon dioxide gas, which escapes into the air from the open flask, so the mass of what is left on the balance goes down. Mass is still conserved: the missing mass is in the gas.	4
11	**a)** 1.60 g **b)** 14.5 g	4
12	**a)** 17.6 kg **b)** 1.23 tonnes	4

Full worked solutions, written out by hand, are on the solutions sheet for this topic.

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.