

Name:

Date:

Empirical Formulae - 1

GCSE CHEMISTRY

Mark

Grade

Materials

For this paper you must have:

- Ruler
- Pencil and Rubber
- Scientific calculator, which you are expected to use when appropriate

Instructions

- Answer all questions
- Answer questions in the space provided
- All working must be shown

Information

- The marks for the questions are shown in brackets

1. Find the empirical formula of each of the following substances.

a) Al 20.2%, Cl 79.8%

Answer:

b) C 0.60 g, H 0.10 g, O 0.80 g

Answer:

c) Fe 72.4%, O 27.6%

Answer:

d) B 0.5156 g, H 0.0844 g

Answer:

2. 0.860 g of iron reacts with chlorine form 2.496 g of iron chloride. Find the empirical formula of this iron chloride.

Answer: