



**Science Revised Syllabus
Junior Certificate
Higher Level**

**Past Exam Questions on
C Chemical Equations**

Q6 Part (b) 2013

- (iii) The sculpture, carved from limestone, of a bearded man in the photograph is new. How would you expect its appearance to change after years of exposure to acid rain? (3)

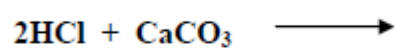
How? _____



- (iv) Limestone is calcium carbonate.
Write a balanced chemical equation for the reaction of calcium carbonate with an acid of your choice. (9)
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Q4 Part (f) 2011

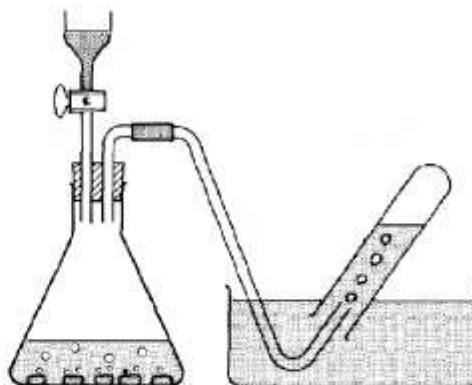
- (f) Complete the equation:



Q4 Part (h) 2009

(h) The apparatus shown in the diagram was used to investigate the reaction of zinc with hydrochloric acid. Hydrogen gas is produced.

(i) Describe a *test for hydrogen*.



(ii) Write a *chemical equation* for the reaction of zinc with hydrochloric acid.

Q4 Part (g) 2006

(g) Carbon dioxide turns limewater milky. Complete the *chemical equation* for the reaction of carbon dioxide with limewater.

