

Chemguide – questions

AMIDES: INTRODUCTION

1. a) Draw the structures for the following amides. In each case, you should show the bonding in the amide group, but you can simplify hydrocarbon groups as, for example, CH_3CH_2 .
 - (i) ethanamide
 - (ii) propanamide
 - (iii) 2-methylpentanamide
 - (iv) N-methylbutanamide

2. a) Explain briefly why (apart from methanamide) the amides are low melting point solids.
b) Why are the small amides soluble in water?