

UNIT CONVERSIONS & PROBLEM SOLVING

1. Perform the following conversions, using unit analysis, and express the answers to the correct number of significant figures:

a) 100.0 g of ethanol to liters (density of ethanol = 0.79 g/mL)

b) 536 mg to kg

c) 25 m² to cm²

d) 65 mi/h to m/s (1 mi = 1.609 km)

e) 75 °F to K

