

# ACS GEN CHEM 2 FINAL EXAM STUDY GUIDE WITH COMPLETE SOLUTIONS 100%

C

Where is the hydrophilic (attracted to water) region of the molecule?

- (A) Region 1
- (B) Region 2
- (C) Region 3
- (D) The three regions are equally hydrophilic



C

Which molecule is most soluble in water?



D

A solution of NaCl in water has a concentration of 20.5% by mass. What is the molal concentration of the solution?

Molar Mass NaCl = 58.44 g/mol

- (A) 0.205 m
- (B) 0.258 m
- (C) 3.51 m
- (D) 4.41 m

B

What is the mole fraction of water in 200 g of 89% (by mass) ethanol,  $\text{C}_2\text{H}_5\text{OH}$ ?

Molar Mass  $\text{C}_2\text{H}_5\text{OH}$  = 46 g/mol

- (A) 0.11

# General Chem Exam Study Guide

**JG Myers**



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