C.1

Cyanobacteria are able to grow in a medium containing 0.49M NaCl and 0.01M CaCl₂. Then such cells are transferred from this medium into water, they become permeable. Estimate the osmotic pressure difference which makes the membranes of the cyanobacteria permeable.

C.2

You are homogenizing a cell suspension to release an enzyme using a Gaulin Homogenizer. You can release 50% of the enzyme in 8.3 liters in 16 minutes. How long will it take to release 90% of the enzyme in 230 liters?