

Some corrections to problems from 2nd ed. Bioprocess Engineering Basic Concepts (Shuler, Kargi):

Problem 7.2.e

This problem incorrectly asks the student to “recall eq. 6.26”. Instead, refer back to Eq. 6.29 on p. 174 (2nd edition). The equation is $Q_{GR} \approx 0.12Q_{O_2}$

Problem 7.3.b

This problem asks the student to calculate $Y_{C_3H_2O/S}$. Instead, the student should calculate $Y_{C_3H_8O_3/S}$. Note that $C_3H_8O_3$ is glycerol, a product of yeast metabolism. C_3H_2O would be either propynal, propadienone or cyclopropenone, none of which are metabolic products of yeast.