

Assignment 13: Artificial Organs

EN 585.729 Cell and Tissue Engineering

Problems

1. We explored cell and organ printing as strategies to support the fabrication of artificial tissues and organs. Read Chapter 9 in *Introduction to Tissue Engineering: Applications and Challenges* by Ravi Birla and then complete the following problems:

(A) Discuss the feasibility of using cell and organ printing to support the fabrication of an artificial liver.

(B) Describe the advantages and disadvantages of using this technology in liver tissue engineering.

(C) Develop a strategy to implement cell and organ printing to support artificial liver fabrication.

Rubric

Question	Component	Total Point Value
1	A	10
	B	10
	C	10
Total		30

