

Weekend: 2 hours max

Study: 200 hours

Project: 10 hours (multiple projects)



Objectives

- Master using laboratory instruments safely and correctly
- Master basic microbiological techniques

There are three parts to every Plasmid Mapping project:

1. Answer questions on the plasmid
2. Design and cloning the plasmids in to E. coli

Here's a project for Part 1...

- Master learning to use questions such as: "What's the size of the plasmid?" "What's the origin of replication?" "What's the antibiotic resistance?"
- What is a plasmid? (plasmid is a small, circular, double-stranded DNA molecule that can replicate independently of the chromosomal DNA)
- Plasmids are used for many purposes, including: cloning, gene expression, and protein production
- Plasmids are also used for many other purposes, including: gene therapy, gene editing, and gene delivery

Here's a project for Part 2...

- Look up the plasmid information on the plasmid map. (plasmid map is a diagram of the plasmid showing the location of the genes and other features)

The completed file project...

Master using laboratory instruments safely and correctly, when you have completed it, submit an assignment or a report that the lab group must submit to the lab group.

Master basic microbiological techniques, when you have completed it, submit an assignment or a report that the lab group must submit to the lab group.

- Master using laboratory instruments safely and correctly
- Master basic microbiological techniques
- Master using laboratory instruments safely and correctly

French 1a Course Guide

Patrick Vollmar



French 1a Course Guide:

Unveiling the Power of Verbal Art: An Emotional Sojourn through **French 1a Course Guide**

In a world inundated with displays and the cacophony of fast conversation, the profound energy and mental resonance of verbal artistry usually fade into obscurity, eclipsed by the constant barrage of sound and distractions. Yet, nestled within the lyrical pages of **French 1a Course Guide**, a interesting work of fictional brilliance that pulses with fresh emotions, lies an wonderful trip waiting to be embarked upon. Published by a virtuoso wordsmith, that exciting opus courses readers on a psychological odyssey, lightly revealing the latent possible and profound affect stuck within the elaborate web of language. Within the heart-wrenching expanse of this evocative evaluation, we can embark upon an introspective exploration of the book is key subjects, dissect their interesting writing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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