



# **DNA extraction**

**Group: 01307**

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# OBJECTIVES

- Investigate the possibility of isolating DNA from plant tissue
  - Understand how DNA is contained and can be extracted from cells
  - Isolate a unique sample of plant DNA by using biotechnology accepted methods.

# VOCABULARY

**Isolate:** to identify (something) and examine or deal with it separately.

**Extraction buffer:** is a solution used for the purpose of breaking open cells for use in molecular biology experiments that analyze the compounds of the cell.

**Layer:** a sheet, quantity, or thickness of material, typically one of several, covering a surface or body



# How much DNA do humans share with a banana?

The genetic similarity between a **human** and a **banana** is...

**60%**



**SOURCE:** National Human Genome Research Institute

**BUSINESS INSIDER**

# LABORATORY PROCEDURES



Read your student's guide (Formative assessment material)

Follow instructions from your teachers  
FA guides must be turned in by the end of the lesson





Thank you for your attention!