



# 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!**