

Extracting DNA from a Cell

Investigation 1

Scientist's Glossary



Tool: Rehearsal

Rehearsal strategies include:

- saying the definition to yourself.
- being quizzed by someone else.
- drawing a diagram or picture from memory.
- looking for everyday examples of terms.
- using the terms to solve a problem.
- conducting experiments that use these terms.

1. **Cell:** The smallest level of organization found in living things.
2. **Chromosome:** Structures of DNA and protein found in the nucleus of cells; where a gene is located.
3. **DNA:** Deoxyribonucleic acid. DNA carries genetic information in cells.
4. **Gene:** A small portion of DNA that carries specific genetic information.
5. **Genetics:** The study of how characteristics are passed from parents to offspring.
6. **Tissue:** A group of cells with similar functions that join together to form larger structures.
7. **Protein:** Large biological molecules that control almost all functions of a cell.