Use of biological resources

Pearson Edexcel · International GCSE · Biology · Vocabulary in context

Word	Example
yeast /jiːst/	**Yeast** makes bread rise.
industrial fermenter /ɪnˈdʌstrɪəl fɜːˈmentə/	An **industrial fermenter** grows microorganisms under controlled conditions.
transgenic /trænsˈdʒenɪk/	A **transgenic** plant carries a gene introduced from another species.
biological control /ˌbaɪəˈlɒdʒɪkl kənˈtrəʊl/	**Biological control** can use predators to reduce crop pests.
bioaccumulation /ˌbaɪəʊəˌkjuːmjʊˈleɪʃn/	**Bioaccumulation** builds up poison inside one animal over time.
plasmid /ˈplæzmɪd/	A **plasmid** is a small ring of DNA in a bacterium. DNA
vector /ˈvektə/	A **vector** carries genetic material into a receiving cell.
ligase /ˈlɪgeɪs/	**Ligase** joins pieces of DNA together. DNA
restriction enzyme /rɪˈstrɪkʃn ˈenzaɪm/	A **restriction enzyme** cuts DNA at particular recognition sequences. DNA
micropropagation /ˌmaɪkrəʊˌprɒpəˈgeɪʃn/	**Micropropagation** produces plant copies from small tissue samples.
explant /ekˈsplænt/	An **explant** is the small tissue piece used to start a culture.

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in vitro /ɪn ˈvɪtrəʊ/	Grow the plant tissue **in vitro** on a nutrient medium.