

21 Biotechnology – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

21.1 Using living things (or their enzymes) to make useful products.

21.2 Any two of: they reproduce very fast; they can make complex molecules; they contain plasmids that are easy to work with.

21.3 Ethanol (alcohol) and carbon dioxide.

21.4 As a biofuel (or to brew drinks).

21.5 It breaks down cell walls to release more (and clearer) juice from fruit.

21.6 Both rely on yeast's **anaerobic respiration**. A **baker** wants the **carbon dioxide**, which makes the dough rise (the small amount of alcohol bakes off). A **brewer** wants the **ethanol** (alcohol) for the drink.