Below are 10 questions and 20 possible answers.

Draw a line to link each question to its correct answer.

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| --- | --- | --- | --- |
|  | Questions |  | Answers |
| 1   2   3   4   5   6   7   8   9  10 | When genetic engineering is carried out, what is removed from one organism and placed into another?  Which single-celled organism is used in bread-making?  What is pectinase used for?  What type of substance is pectinase?  What substance is obtained from yeast and used in biofuels?  What type of enzymes are used to cut DNA during genetic engineering?  What adjective is used to describe a plasmid that has DNA from another species inserted into it?  What type of organism is Penicillium?  What type of substance is penicillin?  Which food can be treated with lactase to make it lactose-free? |  | antibiotic  antibody  antigen  bacterium  digestive  DNA ligase  enzyme  ethanol  fungus  individual genes  making fruit juice  making bread  milk  mushrooms  plasmid  recombinant  reconstructed  restriction  sugar  yeast |

11. State two reasons why microorganisms, rather than animals, are often used in biotechnology.

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2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. The first biological washing powders only worked in warm, rather than hot, water. Suggest why.

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13. Explain why pectinase helps to obtain more juice from fruits.

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