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| **Q1.**          A vegetable oil can be extracted from olives.  (a)     The diagram shows the first step in this extraction.  http://content.doublestruck.eu/getPicture.asp?sub=AG_CHEM&CT=Q&org=&folder=Q07W1F02_files&file=image001.jpg  Use the correct word from the box to complete the sentence about this first step.   |  |  |  | | --- | --- | --- | | **evaporating** | **filtering** | **pressing** |   The olive oil is extracted by ................................................................... the olives.  **(1)** |

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| (b)     The contents from the mortar are tipped into a beaker. The mixture is left to settle.  http://content.doublestruck.eu/getPicture.asp?sub=AG_CHEM&CT=Q&org=&folder=Q07W1F02_files&file=image002.jpg |

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| (i)      What is the name of the colourless liquid?  ...........................................................................................................................  **(1)** |

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| (ii)     How can the olive seeds and skins be removed from the liquids?  ...........................................................................................................................  ...........................................................................................................................  **(1)**  **(Total 3 marks)** |

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| **Q2.**          The label on a bottle of salad dressing shows that the dressing contains the following ingredients.     |  |  | | --- | --- | | **Ingredients** | | | WaterVegetable oilEgg yolkSugarFlourVinegarSalt | Extract of spicesPreservative E202Emulsifier E405 |   (a)     One of the main ingredients in salad dressing is vegetable oil. |

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| (i)      Use the correct word from the box to complete the sentence about the extraction of vegetable oil.   |  | | --- | | **crushed**              **evaporated**               **hardened** |   To extract the vegetable oil, the fruits or seeds of plants are first  ......................................................... .  **(1)** |

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| (ii)     The liquids can be separated from the solid parts of the fruits or seeds by filtering.           Suggest **one** reason why separation by filtering is better than separation by distilling.  .........................................................................................................................  .........................................................................................................................  **(1)** |

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| (b)     (i)      A mixture of vegetable oil and water is shaken and left to stand for several minutes. The diagram shows the result.  http://content.doublestruck.eu/getPicture.asp?sub=AG_CHEM&CT=Q&org=&folder=Q08S1F04_files&file=image001.png  Complete the following sentence.  The vegetable oil and water .................................................................................... .  **(1)** |

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| (ii)     A mixture of vegetable oil, water and egg yolk is shaken and left to stand for several minutes.  The diagram shows the result.  http://content.doublestruck.eu/getPicture.asp?sub=AG_CHEM&CT=Q&org=&folder=Q08S1F04_files&file=image002.png  Use words from the box to complete the sentence.     |  | | --- | | **additive**          **distil**          **emulsion**        **extract**           **mix**         **separate** |   The egg yolk causes vegetable oil and water to ........................................................  and form an ..................................................... .  **(2)**  **(Total 5 marks)** |