|  |  |  |  |
| --- | --- | --- | --- |
| **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.jpgUse 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 |

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

|  |
| --- |
| (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.

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| --- |
| **Ingredients** |
| WaterVegetable oilEgg yolkSugarFlourVinegarSalt | Extract of spicesPreservative E202Emulsifier E405 |

(a)     One of the main ingredients in salad dressing is vegetable oil. |

|  |  |
| --- | --- |
| (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)** |

|  |
| --- |
| (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.pngComplete the following sentence.The vegetable oil and water .................................................................................... .**(1)** |

|  |  |
| --- | --- |
| (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.pngUse 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)**  |