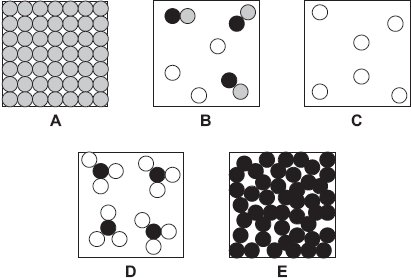
**Q1.** (a)  The diagrams below show the arrangement of atoms or molecules in five different substances A, B, C, D and E.

Each of the circles ,  and  represents an atom of a different element.

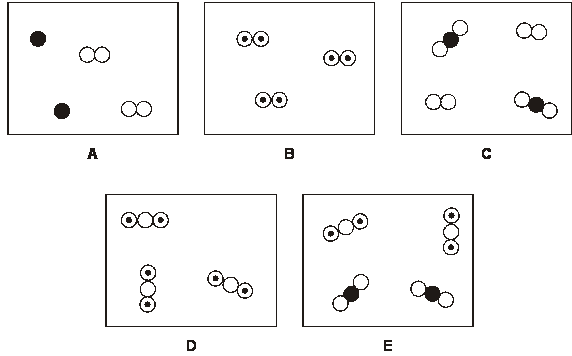


          Give the letter of the diagram which represents:

(i)      a mixture …………………… 1

(ii)     a compound. ………………… 1

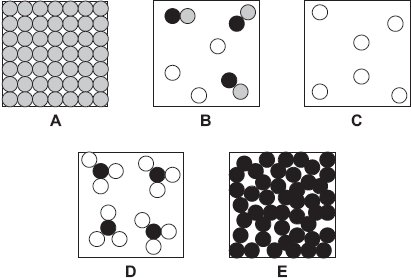
(iii) elements …………. …………… ……………… 3

**Q2.**

The symbols for atoms of three different elements are shown in different combinations.

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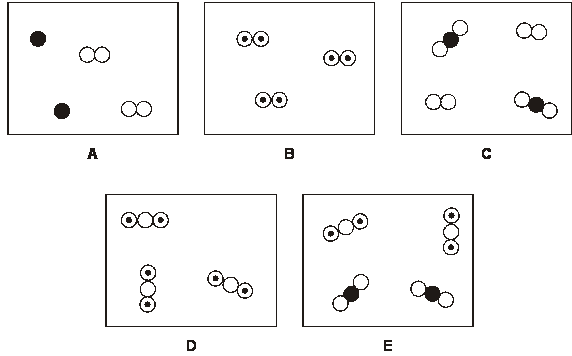


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(i)      a mixture …………………… 1

(ii)     a compound. ………………… 1

(iii) elements …………. …………… ……………… 3

**Q2.**

The symbols for atoms of three different elements are shown in different combinations.

(a)     (i) Give the letter of the diagram which shows a mixture of **two** elements.

............... 1

(ii)     Give the letter of the diagram which shows a mixture of **two** compounds.

............. 1

(iii)     Give the letter of the diagram which shows a mixture of an element and a compound.

............... 1

(b)     Give **one** difference between a compound and a mixture.

.....................................................................................................................

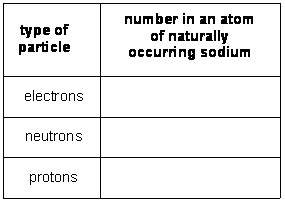
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.......................................................................................................1 4 marks

**Q3.**

(a)     Nuclei of naturally occurring atoms of the element sodium have an atomic number of 11 and a mass number of 23. These are shown as Na.

         Complete the table to show the numbers of electrons, neutrons and protons in an atom of naturally occurring sodium.



3 marks

(a)     (i) Give the letter of the diagram which shows a mixture of **two** elements.

............... 1

(ii)     Give the letter of the diagram which shows a mixture of **two** compounds.

............. 1

(iii)     Give the letter of the diagram which shows a mixture of an element and a compound.

............... 1

(b)     Give **one** difference between a compound and a mixture.

.....................................................................................................................

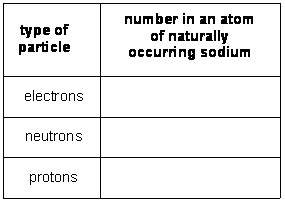
.....................................................................................................................

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