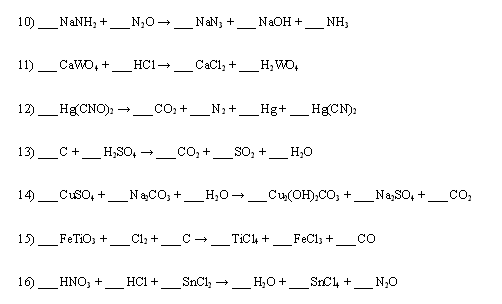
**The City School**

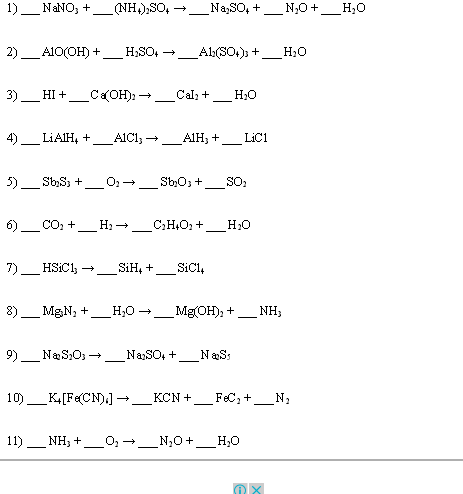
**North Nazimabad Boys Campus**

**Biology class 9**

**Date: 30-04-2016  
Teacher: Uzma Amir**

Q.1. Balance the given equations





Q.2.choose the best answers:

|  |  |
| --- | --- |
| **1.** | An alloy is: |

|  |  |
| --- | --- |
| **A.** | A compound |

|  |  |
| --- | --- |
| **B.** | A solution of metals |

|  |  |
| --- | --- |
| **C.** | A solution of gases |

|  |  |
| --- | --- |
| **2.** | In sweetened tea, the sugar is called a: |

|  |  |
| --- | --- |
| **A.** | Solute |

|  |  |
| --- | --- |
| **B.** | Solution |

|  |  |
| --- | --- |
| **3.** | The substance that does the dissolving (the tea), is called a |

|  |  |
| --- | --- |
| **A.** | Solute |

|  |  |
| --- | --- |
| **B.** | Solvent |

|  |  |
| --- | --- |
| **4.** | Na is the chemical symbol for: |

|  |  |
| --- | --- |
| **A.** | Sodium |

|  |  |
| --- | --- |
| **B.** | Tin |

|  |  |
| --- | --- |
| **C.** | Nebraska |

|  |  |
| --- | --- |
| **5.** | C is the chemical symbol for: |

|  |  |
| --- | --- |
| **A.** | Calcium |

|  |  |
| --- | --- |
| **B.** | Carbon |

|  |  |
| --- | --- |
| **C.** | Chlorine |

|  |  |
| --- | --- |
| **6.** | A mixture is two or more substances.  It \_\_\_\_\_\_\_\_\_\_ be separated? |

|  |  |
| --- | --- |
| **A.** | Can |

|  |  |
| --- | --- |
| **B.** | Can not |

|  |  |
| --- | --- |
| **7.** | Are mixtures chemically combined? |

|  |  |
| --- | --- |
| **A.** | Yes |

|  |  |
| --- | --- |
| **B.** | No |

|  |  |
| --- | --- |
| **8.** | An Element is a simple pure substance. It \_\_\_\_\_\_\_\_\_\_ be separated? |

|  |  |
| --- | --- |
| **A.** | Can |

|  |  |
| --- | --- |
| **B.** | Can not |

|  |  |
| --- | --- |
| **9.** | A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is two or more elements that are chemically combined. |

|  |  |
| --- | --- |
| **A.** | Element |

|  |  |
| --- | --- |
| **B.** | Compound |

|  |  |
| --- | --- |
| **C.** | Mixture |

|  |  |
| --- | --- |
| **10.** | A compound \_\_\_\_\_\_\_\_\_\_ be separated? |

|  |  |
| --- | --- |
| **A.** | Can |

|  |  |
| --- | --- |
| **B.** | Can not |

|  |  |
| --- | --- |
| **11.** | Are compounds chemically combined? |

|  |  |
| --- | --- |
| **A.** | Yes |

|  |  |
| --- | --- |
| **B.** | No |

|  |  |
| --- | --- |
| **12.** | Carbon Dioxide (CO2) is an **ELEMENT**? |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **13.** | An element can be broken down by physical or chemical means. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **14.** | Elements, compounds and mixtures are pure substances. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **15.** | Frying pans are usually made from non-metals because non-metals are good conductors of heat. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **16.** | Helium, which is put in balloons, is less dense than air. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **17.** | A compound has different properties than the elements that react to form it. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **18.** | Sugar water is an example of a heterogeneous mixture. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **19.** | Colloids are mixtures that will *settle out*. |

|  |  |
| --- | --- |
| **A.** | True |

|  |  |
| --- | --- |
| **B.** | False |

|  |  |
| --- | --- |
| **22.** | A person may put the following on his or her french fried: |

|  |  |
| --- | --- |
| **A.** | NaCl |

|  |  |
| --- | --- |
| **B.** | Sn |

|  |  |
| --- | --- |
| **C.** | HCl |

|  |  |
| --- | --- |
| **24.** | If a drink container tells you to "SHAKE WELL" before drinking, the mixture in the container is most likely a: |

|  |  |
| --- | --- |
| **A.** | Solution |

|  |  |
| --- | --- |
| **B.** | Suspension |

|  |  |
| --- | --- |
| **C.** | Colloid |

|  |  |
| --- | --- |
| **25.** | A \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ is made of only one type of particle. |

|  |  |
| --- | --- |
| **A.** | Pure substance |

|  |  |
| --- | --- |
| **B.** | Compound |

|  |  |
| --- | --- |
| **C.** | Solution |

|  |  |
| --- | --- |
| **26.** | Check 3 ways to speed up dissolving: |

|  |  |
| --- | --- |
| **A.** | Stirring |

|  |  |
| --- | --- |
| **B.** | Boiling |

|  |  |
| --- | --- |
| **C.** | Freezing |

|  |  |
| --- | --- |
| **D.** | Heating |

|  |  |
| --- | --- |
| **E.** | Filtering |

|  |  |
| --- | --- |
| **F.** | Crushing |

|  |  |
| --- | --- |
| **G.** | Burning |

|  |  |
| --- | --- |
| **H.** | Nothing |
| **Q.3. differentiate between:**   1. **Strong acid and weak acid** 2. **Distillation and fractional distillation.** 3. **Alkali and base** 4. **Compound and mixtures** |  |
|  |  |