**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**
 |  |
|  |  |