NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE DUE: \_\_\_\_\_\_\_\_\_\_\_\_

TEACHER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**/23.5**

**Year 8 Term 1 – Chemistry**

**HOMEWORK SHEET No. 3 – LG 2**

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| /3 | **1.** Write a definition for each of the following terms:(a) Element – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(b) Compound – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(c) Mixture - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| /3 | **2.** Look at the diagrams below and below each write wether the diagram represents the particles in an element, a compound or a mixture.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| i. | ii.  | iii.  | iv. | v. | vi. |

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| **/4.5** | **3.** Identify each of the following as either an element or a compound. (a) O2 \_\_\_\_\_\_\_\_ (b) CO2 \_\_\_\_\_\_\_\_ (c) H2 \_\_\_\_\_\_\_\_ (d) HF \_\_\_\_\_\_\_\_ (e) Fe \_\_\_\_\_\_\_\_ (f) H2S \_\_\_\_\_\_\_\_ (g) C6H12O6 \_\_\_\_\_\_\_\_ (h) CO \_\_\_\_\_\_\_\_ (i) Co \_\_\_\_\_\_\_\_ |
| /3 | **4.** Draw diagrams for each of the elements/compounds in the table below. Three examples are shown for you.

|  |  |  |  |
| --- | --- | --- | --- |
| Formula | Drawing | Formula | Drawing |
| H2 | HH | SO2 | OSO |
| C2H5OH |  | BaF2 |  |
| CaOH |  | C2H6 |  |

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|  | **5.** On the next page complete the mini periodic table for the first twenty elements |
|  |  |
| **/20** |

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|  |  | TRANSITIONMETALS |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  | Metals Semi-metals Non-metals |  |  |  |  |  |

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