**Logo

Description automatically generatedKolbe Catholic College**

**Year 8 Science**

**Term 2: Chemistry**

***Year 8 Chemistry Learning Outcome: Students will be able to explain and investigate chemical change involving substances reacting to form new substances.***

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

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

**/23.5**

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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. |   \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ |
| **/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 | H  H | SO2 | O  S  O | | C2H5OH |  | BaF2 |  | | CaOH |  | C2H6 |  | |
|  | **5.** On the next page complete the mini periodic table for the first twenty elements |
|  |  |
| **/20** | |  | | --- | |  | |  |  |  |  |  |  |  |  |  | |  |  | TRANSITIONMETALS |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  | Metals Semi-metals Non-metals |  |  |  |  |  | |