**Gold 2 – Types of Matter** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Atom- Smallest particle**

**Molecule – Two or more atoms combined chemically (stuck together)**

**Substance – any element or compound**

**Element – Same atoms**

**Compound – Two or more different atoms combined chemically (stuck together)**

**Mixture – Two or more substances combined physically (not stuck together)**

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**Element – H, C, O, Na, Cl, N**

**Compound – Formulas H2O, NaCl, NaCHO3, C6H12O6**

**Mixture – Air, Pizza, Salad, Ink, Bronze, Brass**

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**Atom** – **smallest part** of an element that has the properties of the element p54

**Molecule** – **Two or more atoms combined chemically** and smallest part of a substance that has characteristics of the substance p82 Example: Oxygen (O2), Water (H2O), Salt (NaCl

**Substance** – (**everything**) any element or compound (sharing a similar characteristic or property) p80

**Element** – **Made of only one type of atom (same atoms)** p52 & 80 Example: N, Na, C, O, H

**Compound** – **Two or more different atoms chemically combined** (Hint: have a chemical formula) two or more elements chemically combined p82 example: hydrogen (H) and oxygen (O) are gases at room temperature, but combined chemically they become compound water (H2O) Examples: Water (H2O), Salt (NaCl), Baking Soda (NaHCO3)

**Mixture** – **two or more substances physically combined** (each part keeps individual properties) p80 & 84 **example: salad, pizza, air, ink**