| Name: | | | Date: | | |
|--|--------------------------------|---------------------------------------|----------------------------------|--|--|
| Chem R Pd | | | Quiz Review Sheet | | |
| Part 1: Complete the fl | ow chart below | | £. | | |
| 1 | | tter | | | |
| J | | ss and takes up space) | | | |
| | can be | either | 4 | | |
| (it is pure – has a uniform, d | efinite composition) | (a physical blend of many substances) | | | |
| can be eith | ner | can be either | | | |
| element | | | | | |
| (only 1 type of particle present) | (2+ different elements bonded) | (components are evenly spread) | (components are unevenly spread) | | |
| | | | | | |
| ***add what can and can not be broken down and physically or chemically | | | | | |
| Part 2: Classify the following as elements (E), compounds (C) or mixtures (M) | | | | | |
| Diamond (C) | Gre | en Paint | Salt Water | | |
| Concrete | | le Salt (NaCl) | Milk | | |
| Krypton (Kr) | | nuth (Bi) | Uranium (U) | | |
| Natural Gas (| | $gar (C_6H_{12}O_6)$ | Gold (Au) | | |
| Steam | | Ice (CO_2) | Iodine (I) | | |
| ***add (aq) to some of these for mixture Part 3: Match each diagram with its correct description. | | | | | |
| ODO 8 | 0 0 | 0 8 | 0 | | |
| 8 | | | | | |
| * * * | 0 | ° | | | |
| A | ВС | D | E | | |
| 1. Element | | 4. Mixture | of two compounds | | |
| 2. Mixture of two elements5. Mixture of a compound and an element | | | | | |
| 3. Compound | | an eleme | | | |

Part 4: Draw your own particle diagrams based on the descriptions.

- 1. an element in the solid phase
- 2. a compound made up of 2 elements in the gas phase
- 3. a homogeneous mixture of 1 compound and 1 element in the gas phase
- 4. a heterogeneous mixture of 2 elements in the liquid phase ***check boxes for def shape and def volume for diff phases

| 1. r | 2. | |
|------|----|--|
| | | |
| | | |
| | | |
| 3. | 4. | |
| | | |
| | | |
| | | |