

WKS – Chem 1
Mixtures

NAME Answer Key
Period _____ Date _____

Read Ch. 3.3 pp. 66-69 in your text then answer the following questions.

- How do mixtures and pure substances differ?
Mixtures are impure because they consist of physical combinations of two or more pure substances.
- Heterogeneous mixtures are (chemical, physical) combinations composed of (one uniform-looking phase, two or more distinct phases) that is/are (easy, difficult) to separate.
- Homogeneous mixtures are (chemical, physical) combinations composed of (one uniform-looking phase, two or more distinct phases) that is/are (easy, difficult) to separate.
- Classify each of the following as either a heterogeneous (het) or homogeneous (hom) mixture:
 - orange juice (with pulp) het
 - tap water hom
 - steel (an alloy of iron and carbon) hom
 - air hom
 - raisin muffin het
 - fruit salad het
 - black coffee hom
- Mixtures can be separated by differences in (chemical, physical) properties.
- What properties could be used to separate the following mixtures?
 - Iron grains & sand grains magnetism
 - Ethanol & Methanol (two liquids) boiling point
 - CuCl_2 dissolved in water boiling point/volatility (ability to evaporate)
 - Pasta in water size (holes in strainer)