**GPS – Heterogeneous and Homogeneous mixtures**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_

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| I can… |
| *Distinguish between homogeneous and heterogeneous mixtures.* |



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| ***Pre-Lab Questions – Complete quietly on your own first!*** | |
| 1. List 3 physical properties. |  |
| 1. What is a physical change? |  |

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| ***Lab* *Demonstration*** | |
| 1. Observe the first mixture. Describe what you see. |  |
| 1. The liquids are NOT chemically combined. What type of mixture is it? |  |
| 1. WHY do you think this is happening? |  |
| 1. We have observed differences in density, which is a physical property. What other physical properties can you observe? |  |
| 1. We will mix two substances together. Record your observations. |  |
| 1. This looks **uniform** all the way through. What type of mixture is this? |  |

***Answer the questions, and then enjoy your mixture!!***

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| 1. What type of mixture is sand? Circle one. Heterogeneous / homogeneous 2. Is water (H2O) a pure substance? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. What type of mixture is vanilla ice cream? Circle one. Heterogeneous / homogeneous 4. You add chocolate chips to the ice cream. What type of mixture is it now?  Circle one. Heterogeneous / homogeneous 5. What is the difference between elements and compounds? Use at least one complete sentence. |