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