CHEMISTRY MATTERS
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NOTE-TAKING GUIDE
UNIT 2, SEGMENT E

Name:

Date:

Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- ***To compare and contrast physical changes and chemical changes in matter and identify examples.***
- ***To differentiate chemical changes from phase changes in matter.***
- ***To explain the properties of mixtures.***

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"

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QUESTIONS TO CONSIDER: UNIT 2, SEGMENT E

Name:

Date:

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

1. **Chemical changes occur when a new chemical substance has been formed. How is a chemical change different from a physical change?**

2. **Explain how you know that flammability is a good example of a chemical change.**

3. **How is oxidation of copper, seen on the Statue of Liberty, similar to flammability and how is it different from flammability?**

4. **How do we know that cooking pancake batter to make pancakes is definitely a chemical change?**

5. **The glass hand bubbler holds a red liquid. When it heats up, do you see a chemical change or a physical change? How do you know?**

6. **Draw a bowl full of different colored candies. Explain why this bowl should be called a mixture**