

Go to <http://sciencespot.net/> → Kid Zone → Chemistry to find the videos and links you'll need to complete this assignment.

Video #1: Watch the Chemistry Life Hacks (Vol 1) to answer these questions.

- How does salt take away the bitter taste of coffee? _____
- What compound causes bananas to ripen faster? _____
- How does bread help soften hard cookies? _____
- What ingredient in cola would help with dishes? _____
What else is it used for? _____

Video #2: Watch the Chemistry Life Hacks (Vol 2) to answer these questions.

- How can you test an egg? _____
- What vegetable has sulfenic acid? _____ What does it do? _____
- What could nitrocellulose help you? _____
- Which type of chlorophyll makes the yellow-green color of some veggies? _____

Video #3: Watch the How to Tell if Your Oven is a Liar to answer these questions.

- What substance was used to "test" the oven? _____
- What should happen if you oven temperature is correct? _____
- What is this chemical change called? _____
- What temperature is needed for this to occur? _____ °F or _____ °C

Video #4: Watch the Baking Soda Life Hacks to answer these questions.

- How does baking soda help a stinky fridge? _____
- What will help with a "skunky" dog? _____
- Give the chemical formula for each compound. Baking soda - _____ Washing soda - _____
- What temperature is needed for this to occur? _____ °F
- What can be used instead of baking powder? _____

Video #5: Watch the How to Cookie with Science video to answer these questions.

- What causes the chewiness of cookies? _____ Where does it come from? _____
- How does caramelization affect cookies? _____
- What makes cookies fluffy? How? _____
- Which temperature of butter made larger cookies? _____

Cheeseburger Chemistry - Click the link at the bottom of the Everyday Chemistry page to go to this website.

Directions: Watch any TWO videos on the Cheeseburger Chemistry website and record information about each one in the sections below.

Video 1 - Title: _____

What did you learn? Need at least 3 sentences!

Trivia Question: Create a question that could be answered by watching the video. Give the correct answer.

Answers: _____

Video 2 - Title: _____

What did you learn? Need at least 3 sentences!

Trivia Question: Create a question that could be answered by watching the video. Give the correct answer.

Answers: _____