

CP1 Chemistry Summer Assignment

OVERVIEW:

Chemistry is all around us. Everyday you participate in chemical reactions. This assignment will reveal how chemistry is part of your everyday lives.

SUMMER ASSIGNMENT:

Read “Chemistry for Breakfast The Amazing Science of Everyday Life” by Dr. Mai Thi Nguyen-Kim and complete the handout. You can obtain the book from Amazon.

GRADE FOR THE SUMMER ASSIGNMENT:

You will turn in the assignment (worth 30 points) on the **first FULL day** of class. If you do not turn in the assignment on the first full day of class, it will be considered late, and 5 points will be deducted. We will discuss the book on the first full day of class and refer to the book during the year.

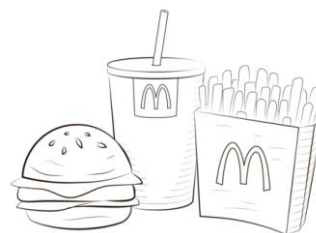
MATERIALS NEEDED FOR CLASS:

- Text: provided in August
- Binder: 1.5 – 2 inches, 3 rings
- Notebook
- Black sharpie – regular or thin
- Black ball point pen
- Lab notebook – provided in August
- Safety goggles – provided in August

If there are any questions, please contact me. I will check my email every Monday.

Dr. Rickert

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NAME: _____

CP1 CHEMISTRY

SUMMER ASSIGNMENT
(30 points)

Read the novel, "*Chemistry for Breakfast*" by Dr. Mai Thi Nguyen-Kim and answer the following questions.

- 1) Explain how melatonin and cortisol play a part in sleeping and waking up.

- 2) Explain why different materials feel cold or hot when they are all at room temperature.

- 3) How does coffee cool down?

- 4) There are three components in the basic recipe for a battery. Name them:

- a. _____
- b. _____
- c. _____

5) There are many ways to preserve foods, physical, chemical, natural, or artificial. Name 3 ways that foods can be preserved.

a. _____

b. _____

c. _____

6) In 1996 Karen Hanrahan bought a McDonald's cheeseburger that never went bad. Her explanation was the preservatives. What is the real scientific explanation?

7) Discuss a topic in the book that you found interesting.
