

The Young Scientists Series — Book 10: Advances in Alchemy

List of Resources

1. Understanding What We Read
2. Responding to Text
3. Close Reading Skills
4. Book Reflection
5. Fun with Art
6. Answer Key

Internet Resources

- paper chromatography by Friedlieb
<http://allmyeyes.blogspot.sg/2011/01/self-grown-pictures-of-dr-ff-runge.html>
- Video about Rosalind Franklin
<https://www.youtube.com/watch?v=7JWH4VP4KR0>
- Difference between Pasteurised and non Pasteurised milk
<https://www.youtube.com/watch?v=ji20QndHXtk>

1. **Reading for Understanding (The Strange Adventures of Dr. Poison)**
This activity is set based on the latest comprehension format. It serves as a practice for their comprehension open-ended skills.
2. **Responding to Text**
Refer to the text “The Girl in the Chamber of Corpses”. Students are to share why Alessandra Giliani was extraordinary.
3. **Close Reading Skills**
In this exercise, students will practice their close reading skills. You may want to encourage them to look for contextual clues in the text.
4. **Book Reflection**
In this exercise, students are to write a reflection the story they like best in this book
5. **Fun with Art**
From the story “A Tasty Treat Found by Accident”, students will draw and design their own ice cream.

In this activity read the story “The Strange Adventures of Dr. Poison” and answer the following questions.

1. Which word page 4 has the same meaning as “sprayed”? [1m]

2. What was FF doing when poison squirted into his eye? [1m]

3. Based on the story, state whether each statement in the table below is **true** or **false**, then, give a reason why you think so. [2m]

Sentence	True/False	Reason
i) FF was blinded by the poison.		
ii) Friedlieb was interested in the effects of the poison on his eye.		

4. Why was Friedlieb called “Doctor Poison”? [2m]

5. Which sentence on page 6 encourages us to recall FF when we drink coffee? [1m]

Fill in the blanks with a suitable word.

It is quite often that we take for granted about how the things around us are created or even who was responsible for these (1) _____. Today, if you go to a supermarket and buy a carton of "Pasteurised" milk and drink it, knowing it is safe to drink it, you should know that (2) _____ was not the case in the past. In the past, milk from the cows might (3) _____ harmful bacteria. However, Alice Evans discovered a way to make safe for drinking. A man called Louis Pasteur used her discovery to heat the milk. Thus, (4) _____ all the germs in it. The process was named after him. Hence, the next (5) _____ you drink pasteurised milk, remember that it was the work of Alice and Louis.

Fun with Art!

From the story "A Tasty Treat Found by Accident", draw and design ice creams of your own. Remember to make it as colourful as you can!