# Student's Learning Activities
# (Lind and scurvy)

**Activity 1**

You will watch a video with narration or listen to a story from your teacher about James Lind and the therapy of people suffering from scurvy. Please write the most important points of the story according to your view and discuss them in your group. (Indicative important points: the description of Lind's experiment, the symptoms of the scurvy, the problems of scurvy on crew members of the British naval ship Salisbury, the history of the disease scurvy,.. )

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**Activity 2**

In the webpage: http://en.wikipedia.org/wiki/Vitamin_C ,in the paragraphs about the plant sources and the animal sources, appears the amount of vitamin C that is contained in 100 grs of each food.

Please compare the quantity of vitamin C in 100 grs of food in the plant sources and 100 grs of food in the animal sources. Discuss in your group the differences.

Please explain why the people are supplied the vitamin C from the foods.

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**Activity 3**

It is quoted that vitamin C is protected from colds. You consider that you are the members from a research group which is done research for the answer: "At the first of the cold, we provide vitamin C, the vitamin C reduces the duration and the intensity of its symptoms?"

Describe the way which you will design and carry out this research.

Describe the limitations and the difficulties, which you believe that you will confront for the design and conducting this research.

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**Activity 4**

From the story that you elaborated, could you please mention some points in which the nature of science is obvious? Discussion your group.

## Activity 5

Please write an abstract of 500 characters in your group to answer the question: What is science? The text should be based on the story and the learning activities of today's lesson. Each group should give its own answer.

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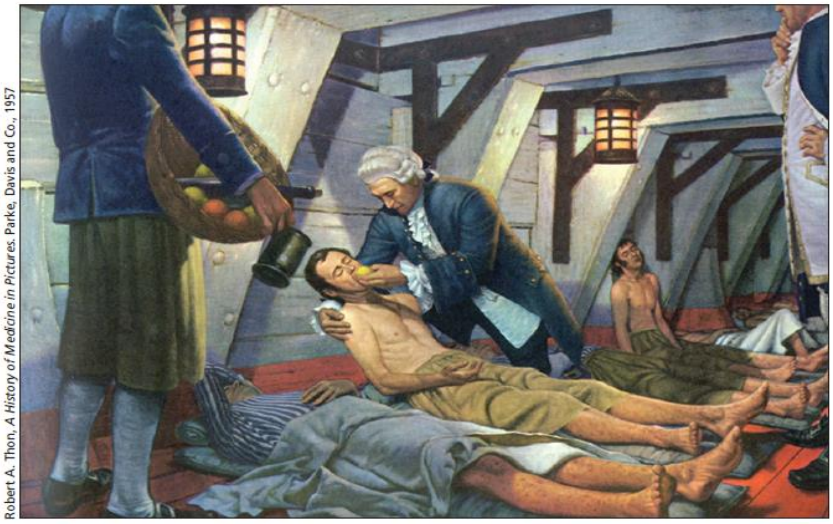
## Activity 6 (homework)

In this photo we can see the cover of the History of Medicine book.
Please observe this photo. You can find more information about the scurvy. Research in the internet in order to construct a poster for the scurvy, the story of scurvy and its treatment from ancient years until today.



Robert A. Thon, *A History of Medicine in Pictures*. Parke, Davis and Co., 1957

In 1747, Dr. James Lind tested several scurvy treatments on crew members of the British naval ship Salisbury and discovered that lemons and oranges were most effective in treating the dreaded affliction.

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