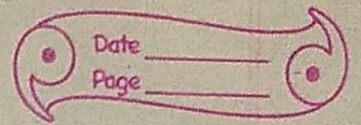


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# The Making of a Scientist



## Read & Find out

1- How did a book, become a turning point in Richard Ebright's life?

Ans- The book *The travels of Monarch X*, became a turning point in Richard Ebright's life. With that book, Richard Ebright's life. Without that book, Richard Ebright would have ended his butterfly collecting habit.

2- How did his mother help him?

Ans- Richard was in third grade when his father died. Richard was his mother's whole life and the only companion. His mother encouraged his interest in learning.

## Read & Find out

1- What lesson does Ebright learn when he doesn't win anything at a science fair?

Ans- Richard Ebright was in the seventh grade when he got a hint of what real science was. He entered the county science fair. He didn't win any prize & lost. While everybody else had ~~won~~ something Richard got nothing.

2- What experiments & project does he then undertake?



Page \_\_\_\_\_

Ans- Dr Unghout gave Richard Ebright many suggestions for experiments. For his eighth grade project, Ebright tried to find the cause of a viral disease that killed nearly all monarch caterpillars every few years. The next year his science fair project was testing the theory that viceroys butterflies are monarch butterflies.

3- What are the qualities that go into the making of a scientist?

Ans- There are many qualities that go into the making of a good scientist. First of all he has scientific temperament. Richard Ebright became a great scientist because he was competitive & received ideas & suggestions from everywhere.

### Think About It

1- How can one become a scientist, an economist, a historian...? Does it simply involve reading many books on the subject? Does it involve observing, thinking & doing experiments?

Ans- The lesson The Making of a Scientist describes in detail the essential ingredients that are necessary in the making of a scientist. We had many many more things than observing, thinking

Date \_\_\_\_\_  
Page \_\_\_\_\_

& doing experiments. The first thing is the scientific attitude & temperament. To be competitive & to be the best is another ingredient.

2- You must have read about cells & DNA in your science books. Discuss Richard Ebright's work in the light of what you have studied. If you get an opportunity to work like Richard Ebright on project & experiment, which birds would you like to work on & why?

Ans- Naturally, we have read about cells & DNA in our science books. Strictly speaking, such subjects are dealt with in detail, in Biology. DNA is the blueprint for life & controls heredity. Richard Ebright did a wonderful work on cells & DNA. He was able to identify the hexameric Uronic structure.