

CLASS – 10

ENGLISH

Footprints without Feet

CH-6 : The Making of a Scientist

Part – 1

**Richard Ebright: Curious young
collector**

ARPITA SHARMA



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1. Richard Ebright: Curious young collector

2. The Power of a Good Book

3. Richard's Science Fair & Research

4. Ebright: Emerging Scientist



Richard High Ebright

(June 11, 1959) is an American molecular biologist.

'The Making of a Scientist', written by Robert W. Peterson is the story of a scientist named Richard H Ebright. It is an interesting study of how Ebright became a scientist.

BEFORE YOU READ

Richard Ebright has received the Searle Scholar Award and the Schering Plough Award for Biochemistry and Molecular Biology. It was his fascination for butterflies that opened the world of science to him.

At the age of ²² twenty-two, a former
'scout of the year' excited the scientific
world with a new theory on how cells
work. Richard H. Ebright and his
college room-mate explained the
theory in an article in the Proceedings
of the National Academy of Science.

Theory : सिद्धांत
Cells : कोशिका

It was the first time this important

scientific journal had ever published

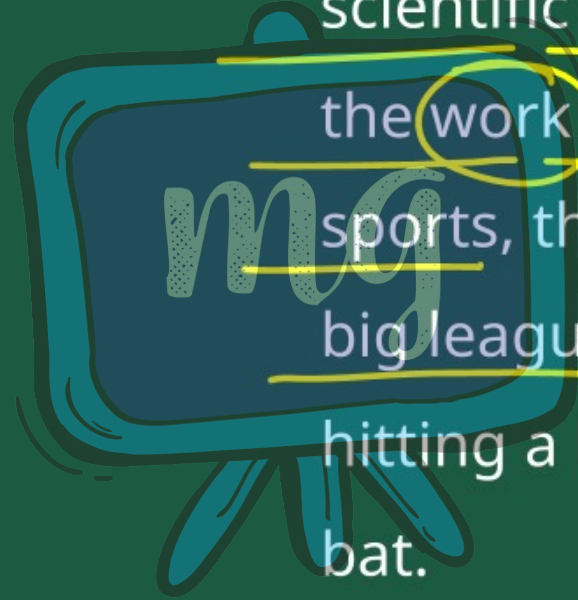
the work of college students. In

sports, that would be like making the

big leagues at the age of fifteen and

hitting a home run your first time at

bat.



Journal : पत्रिका

For Richard Ebright, it was the first in a long string of achievements in science and other fields. And it all started with butterflies.

An only child, Ebright grew up north of Reading, Pennsylvania. "There wasn't much I could do there," he said.

String : श्रृंखला

Achievements : उपलब्धियां

"I certainly couldn't play football or baseball with a team of one. But there was one thing I could do — collect things."

So he did, and did he ever!

Beginning in kindergarten, Ebright collected butterflies with the same determination that has marked all his activities.

Determination : दृढ़ निश्चय

He also collected rocks, fossils, and coins. He became an eager astronomer, too, sometimes star-gazing all night.

From the first he had a driving curiosity along with a bright mind. He also had a mother who encouraged his interest in learning.

Fossils : जीवाश्म

Astronomer : खगोलविद्

Encouraged : प्रोत्साहित करना



Telescopes



Microscopes

She took him on trips, bought him telescopes, microscopes, cameras, mounting materials, and other equipment and helped him in many other ways.

"I was his only companion until he started school," his mother said.

Equipment : उपकरण

"After that I would bring home friends
for him.

But at night we just did things
together. Richie was my whole life
after his father died when Richie was
in third grade."

She and her son spent almost every
evening at the dining room table.

"If he didn't have things to do, I found work for him — not physical work, but learning things," his mother said.

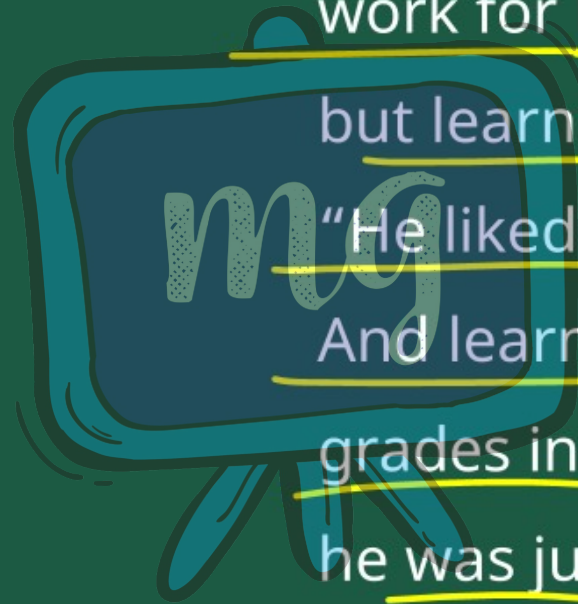
"He liked it. He wanted to learn."

And learn he did. He earned top

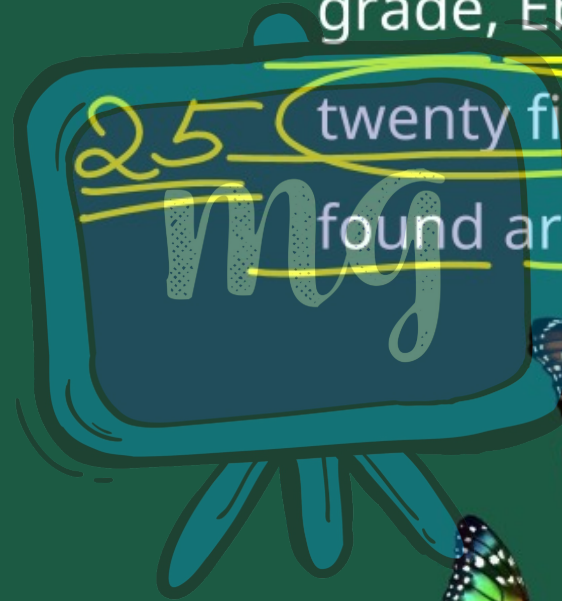
grades in school. "On everyday things

he was just like every other kid," his

mother said.

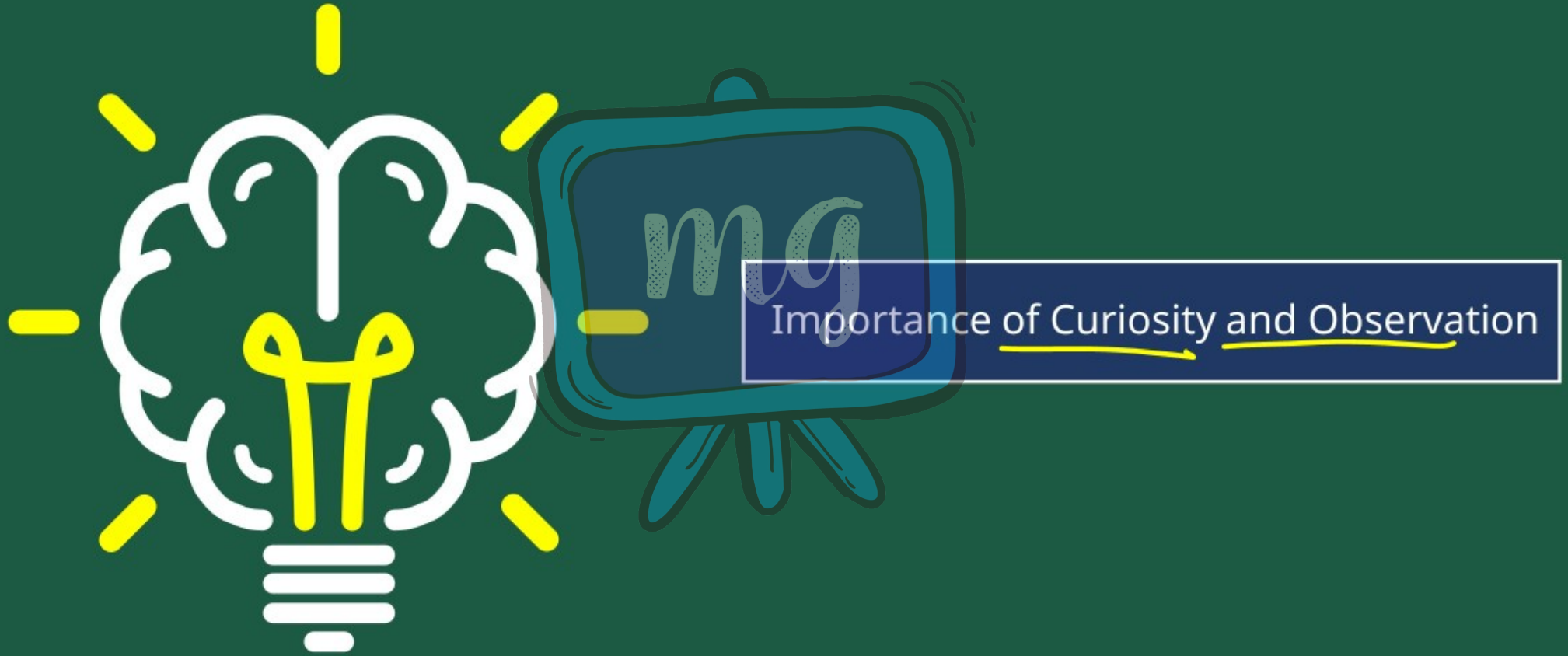


By the time he was in the second
grade, Ebright had collected all
twenty five species of butterflies
found around his hometown.



Species and Sub-species of Butterflies Collected in Six Weeks in Reading, Pennsylvania		
<p>Gossamer-Winged Butterflies</p> <ul style="list-style-type: none"> ✧ white M hairstreak ✧ acadian hairstreak ✧ bronze copper ✧ bog copper ✧ purplish copper ✧ eastern-tailed blue ✧ melissa blue ✧ silvery blue 	<p>Wood Nymphs and Satyrs</p> <ul style="list-style-type: none"> ✧ eyed brown ✧ wood nymph (grayling) <p>Monarchs</p> <ul style="list-style-type: none"> ✧ Monarch and Milkweed 	<p>Brush-footed Butterflies</p> <ul style="list-style-type: none"> ✧ variegated fritillary ✧ Harris's checkerspot ✧ pearl crescent ✧ mourning cloak ✧ painted lady ✧ buckeye ✧ viceroy ✧ white admiral ✧ red-spotted purple ✧ hackberry
<p>Snout Butterfly</p>	<p>Whites and Sulphurs</p> <ul style="list-style-type: none"> ✧ olympia ✧ cloudless Sulphur ✧ European cabbage 	

LEARNING OUTCOME





1

What was Richard Ebright's primary hobby as a child?

A

Collecting stamps.

B

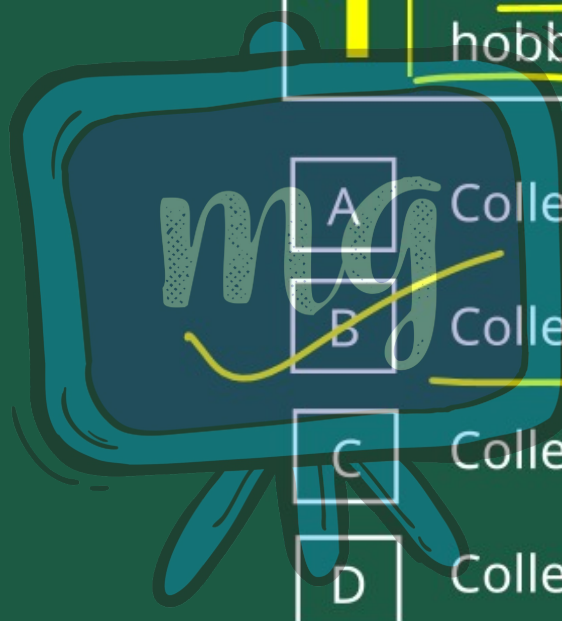
Collecting butterflies.

C

Collecting coins.

D

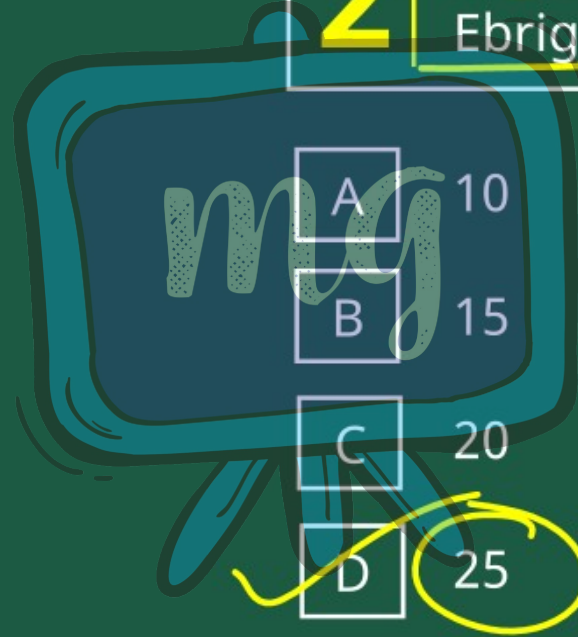
Collecting rocks.





2

How many species of butterflies did Ebright collect in his hometown?



A 10

B 15

C 20

D 25

ASSESSMENT

3

What trait best describes the narrator as a child?

- A Shy and quiet.
- B Curious and inquisitive.
- C Independent and self-reliant.
- D Disinterested in science.