

Your Teacher's Question: What are the responsibilities of a biochemist?



SHOW ME YOUR ACES!!!



A

Answer the teacher's question in the form of a sentence:

A biochemist is someone who studies biological processes to understand how and why chemical reactions occur.

B

Give an example:

1C Some biochemists, such as Michelle Chang, study chemical processes on microbes useful in creating new types of biofuels.

C

Explain/elaborate/expand upon your example:

1E Michelle Chang investigates new ways to make clean, renewable alternatives to fossil fuels. Her main focus is to bioengineer microbes that can break down a very tough compound found in nature called, lignin.

D

2C In addition to making new biofuels, other biochemists do basic research on the safety of new medical devices and food, like the agricultural feedstock and chemistry industry.

E

2E The agricultural feedstock and chemical industry evaluated resources such as palm oil and sugar cane and creates partnerships between agricultural resource owners, technology providers, and chemical manufacturers in order to help provide feedstock to markets.

S

Summarizing statement:

A biochemist studies chemical processes in an effort to understand the chemistry of all living things.

Completed Paragraph:

A biochemist is someone who studies biological processes to understand how and why chemical reactions occur. Some biochemists, such as Michelle Chang, study chemical processes on microbes useful in creating new types of biofuels. Michelle Chang investigates new ways to make clean, renewable alternatives to fossil fuels. Her main focus is to bioengineer microbes that can break down a very tough compound found in nature called, lignin. In addition to making new biofuels, other biochemists do basic research on the safety of new medical devices and food, like the agricultural feedstock and chemistry industry. The agricultural feedstock and chemical industry evaluated resources such as palm oil and sugar cane and creates partnerships between agricultural resource owners, technology providers, and chemical manufacturers in order to help provide feedstock to markets. In brief, A biochemist studies chemical processes in an effort to understand the chemistry of all living things.

ACES Scoring Tool

Focus —Answered the teacher’s question in the form of a sentence	5/5 points
Content —Cited 2 examples (text-based or self-based) explained each	10/10
Organization —Included introduction (A), body (C, E), and conclusion (S)	5/5
Transitions —Used transition words between C and E (first, second, another...)	5/5
CUPS —Capitalization, Usage, Punctuation, Spelling	5/5
	30/30 total

