

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



SHOW ME YOUR ACES!!!



A

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

A cancer researcher studies the causes of cancer and ways to prevent, diagnose, and treat the disease.

B

Give an example:

1C An example of a cancer researcher whose careful lab work led to a powerful treatment of breast cancer is Gail Phillips.

C

Explain/elaborate/expand upon your example:

1E Gail Philips noticed that cancerous cells had large numbers of proteins, called HER-2 receptor, protruding from each cell's surface. In order to prevent the cancer cells from growing, she experimented with different antibodies to fight the infection from growing. She finally found the perfect antibody, Herceptin, that "fit" the HER-2 receptor (like a baseball and glove) and as a result, suppressed the spread of breast cancer in patients.

D

2C Other cancer researchers study the role diet plays in cancer.

E

2E Many cancer researchers experiment on ways to prevent heart and other diet related diseases. Since heart disease is the number one killer in the United States, cancer researchers work to find ways to reverse the effects of cancerous cells of the heart, and also ways to prevent heart disease from occurring before the onset of the disease.

F

Summarizing statement:

Cancer researchers study what causes specific cancers and ways to prevent and treat the disease. A cancer researcher's job is very important because they are responsible for finding ways to prevent foreign substances from harming our body.

Completed Paragraph:

A cancer researcher studies the causes of cancer and ways to prevent, diagnose, and treat the disease. An example of a cancer researcher whose careful lab work led to a powerful treatment for breast cancer is Gail Phillips. Gail Philips noticed that cancerous cells had large numbers of proteins, called HER-2 receptor, protruding from each cells' surface. In order to prevent the cancer cells from growing, she experimented with different antibodies to fight the infection from growing. She finally found the perfect antibody, Herceptin, that "fit" the HER-2 receptor (like a baseball and glove) and as a result, suppressed the spread of breast cancer. Other cancer researchers study the role diet plays in cancer. Many cancer reseachers experiment on ways to prevent heart and other diet related diseases. Since heart disease is the number one cause of death in America, cancer researchers work to find ways to reverse the effects of cancerous cells in the heart, and also ways to prevent heart disease from occurring before its onset. In brief, cancer researchers study what causes specific cancers, and ways to prevent and treat the disease. A cancer researcher's job is very important because they are responsible for finding ways to prevent foreign substances from harming our body.

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

