

Breast Cancer Final Explanation Sentence Frames

What is breast cancer?

- Breast cancer happens when _____.
- The gene that can lead to breast cancer is found on chromosome # _____ and it is called the _____ gene.

Why can everyone get breast cancer?

- Everyone can get breast cancer because _____.

What are the different types of mutations?

- We learned about ____ types of mutations .
- They are called _____, _____, and _____.
- In (the first one) mutation, (describe what happens in this mutation).
- In (the second one) mutation, (describe what happens in this mutation).
- In (the third one) mutation, (describe what happens in this mutation).

What mutations happen in the BRCA1 gene?

- In one of the mutations that can lead to breast cancer, the original DNA sequence it was _____.
- It changed to _____.
- So they are different because _____, which is _____ mutation.

What happens if there is a mutation in the BRCA1 gene?

- When there is a mutation in the DNA (describe what mutation means), it will change _____ when it gets (what is the process of going from DNA to mRNA?).
- Then when mRNA is translated it will change the sequence of _____.
- This will affect the sequence of _____, which will affect _____. (use your causal explanation sentences we did Wed/Thurs!)
- When a protein is folded incorrectly, this affects the _____.
- Because the BRCA1 protein isn't doing it's job anymore (explain what it job it is supposed to do) isn't happening.
- This means that cells will _____ and this causes _____ to form, which can lead to _____.