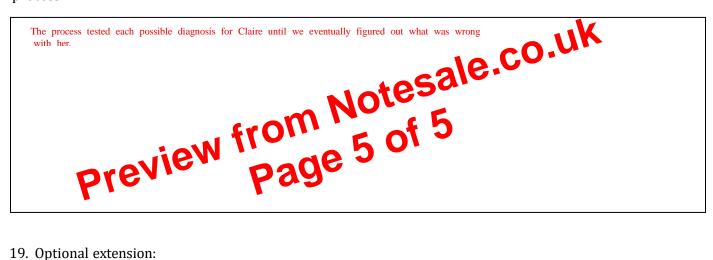
17. Low enzyme function can be caused by a range of issues. In your Gizmo, explain how each of these could affect enzyme function and what happens when you test these in Claire.

Potential issue	explanation	Claire's results
active site mutation	Sometimes, when a cell makes an enzyme, one of the amino acids can be changed to a different amino An exizyThirs shape usbends on the the national property.	All the activation sites were their normal
abnormal pH	If Claire's body was not keeping her small intestine at the correct pH, none of her enzymes would work	Claire has an average
low enzyme production	properly. If Claire makes enzymes too slowly, the enzyme concentration in her small intestine would be low.	Claire's enzyme function is way under

A low concentration would cause a low reaction rate

18. Science function becomes known new questions and science function becomes known new questions can be asked and hypotheses can be revised to make them more and more accurate. At some point, once enough information has been gathered, a conclusion can be made. Explain how this Gizmo illustrates that process.



19. Optional extension:

As more evidence gathers, science is replaced by better science. Use a real-life example to explain this. As a good starting point, ave a look at:

https://www.sciencenews.org/article/coronavirus-covid-19-pandemic-six-months-what-we-know

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Bogna Haddad @ OCDSB, August 2020				