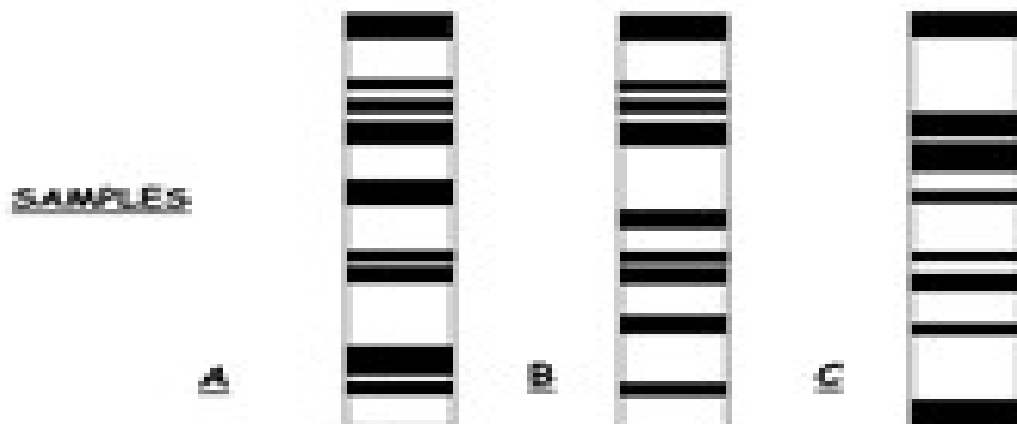


Who stole Mrs C.'s Guinea pig?

Last Saturday, Mrs C. came home to find that someone had broken into her house and stolen her prize guinea pig. She was very upset but things got much worse when she went to the fridge and found the thief had even eaten some of her children's chocolate cake! The police just had to be called in.

The thief wore gloves to avoid leaving finger prints. BUT, they didn't realize that they had left a DNA fingerprint on the cake!

There were three different DNA samples found on the cake, only one belongs to the thief. Compare these three samples to the ones on the key card to work out who is guilty.



Questions:

- 1) Why were DNA samples from Mrs C.'s children included in the investigation?
- 2) What do you notice about the DNA samples from Mrs C.'s children? Can you explain this?
- 3) What are the key stages in the production of a DNA fingerprint?
- 4) List three possible sources of DNA that might be found at the scene of a crime.