

## MGY311Y 2016 Practice question 2

Below is a restriction map of PCR product A showing the locations of recognition sites for restriction enzymes PstI (P) and XbaI (X).

The scale bar indicates a length corresponding to 2 kb.

Draw a diagram of the expected ethidium-bromide-stained agarose gel following electrophoresis of PCR product A:

- 1) digested with PstI
- 2) digested with PstI + XbaI.

Explain your thinking beside your diagram.

If you want to invent a numbering system to help you keep track of the digest products on the linear diagram and on the gel, feel free to add that information to the diagrams.

