

Question 26 (7 marks)

- (a) Why do pigs produce less methane than cattle or sheep?

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Pigs produce less methane than cattle or sheep because they are not ruminants and do not contain microbes in their stomachs which ferment and produce large amounts of methane.

- (b) Explain, using an example, how an animal's feed can be adjusted to meet changing energy and protein requirements.

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An animal's feed can be adjusted to meet changing requirements through higher quality feeds and supplements. E.g. Placing pregnant ewes on higher quality feeds prior to lambing to improve birth weight and so they can produce large quantities and good quality milk straight away after birth.