

Question 26 (7 marks)

- (a) Why do pigs produce less methane than cattle or sheep? 3

pigs are monogastric so food doesn't stay in the stomach for long periods of time fermenting unlike cattle & sheep who have a rumen to digest foods for long periods.

- (b) Explain, using an example, how an animal's feed can be adjusted to meet changing energy and protein requirements. 4

When cattle are moved to different paddocks they are first put in feed lots to adjust the herd to the different food. Foods are mixed with grains, grasses and hay. If you are introducing a cow into a grass paddock and they have been eating grains, you slowly add the grass to their diet 10% grass 10% maize 50% grain etc. If an animal feed this straight away they could get bloat and die.