

**Question 26 (7 marks)**

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

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1. They are monogastric unlike cattle and sheep who are ruminants.

2. The bacteria in the abomasum gives off gas in cattle and sheep.

3. Pigs don't produce as much methane because they digest their food without hydrogen.

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

Broiler Chickens.

	early growth	growth	mature
Protein %	24%	22%	19%

Broiler chickens feed is changed throughout its life cycle. Higher protein feeds such as meat meal and grain ~~beans~~ dominate the chickens diet throughout the early stages of its life. As it gets older these ingredients are reduced and higher carb intake is required.