Question 23 (4 marks)

How might the implementation of Australian land capability classification affect the **4** profitability and sustainability of agricultural systems?

Australian land capability classification is designed on a scale of 1-8 (1 being the flattest and 8 being the steepest slope). It's designed so farmers can use their land to the best of its capabilities and suitabilities so that it increases the farms profitability and sustainability in the long run. For example, farmers should plant crops on the flatter areas of the land, where machinery is able to cultivate/plough across the slope, preventing runoff and erosion, and on the steeper slopes, the farmer should plant more trees where machinery is not suitable to go, attracting more wildlife, preventing erosion and lowering the water table preventing dry land salinity. All of this sustains the land, which then increases productivity and profitability in the long run.