

- (d) Outline **three** signs of environmental degradation as a result of urban livestock farming. (03marks)

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37. An experiment was set up to investigate the effect of soil pH on the abundance of bacteria and fungi in percentage in a soil sample.

Soil pH	4.0	6.0	7.4	9.5	10.4	12.5	13.4	14.0
Bacteria	20	30	45	50	60	58	50	18
Fungi	60	50	40	30	20	18	15	10

- (a) Describe how the abundance of the two organisms vary with soil pH. (03marks)

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- (b) What **two** conclusions can you draw from the data? (02marks)

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- (c) Give **two** ways how the above micro organisms affect crop growth. (02marks)

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- (d) Explain **three** other factors that may affect the abundance of soil microbes. (03marks)

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END