

Name: _____

ID No.: _____

Fill in the blanks with the most appropriate answer

(5 marks)

1. pH of _____ is required for the inactivation of pathogens during ammonia treatment of faecal sludge.
2. _____ is used as a binding agent in biochar production during faecal sludge treatment.
3. _____ is the treatment method that enables sludge stabilization, nutrient management and pathogen inactivation compared to other treatment methods.
4. _____ is a necessary process/step to ensure that end products meet market requirements.
5. _____ is the most commonly used plant for the treatment of faecal sludge in planted drying beds in Asia, Africa and Latin America.

Give short answers

6. What are the four treatment objectives to be followed during faecal sludge treatment? **(2 marks)**
7. List the top four reasons that can lead to the upset of an anaerobic digestion process. **(2 marks)**
8. During the co-composting process of faecal sludge, what are the two key process parameters that should be monitored? **(1 mark)**