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# Soil Ecology Practice Exam

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By: Gage C. Linville  
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## 15 Questions

1. Which of following is classified as Mesofauna?  
A. Protozoa   B. Mites   C. Algae   D. Root hairs
2. Hermaphrodites are what?  
A. Species of burrow dwellers without hair follicles  
B. Egg eating organisms  
C. Organisms without separate male and female genders  
D. Polysaccharide dependant bacteria
3. T/F Termite activity is on a scale comparable to that of earthworms.  
A. True   B. False
4. Nematodes of which genus can infest the roots of practically all plant species?  
A. Pratylenchus   B. Trichinella   C. Capillaria   D. Heterodera   E. Trichuris
5. What is the estimated number of protozoa species discovered so far?  
A. 80,000   B. 25,000   C. 50,000   D. 120,000   E. 70,000
6. Briefly describe the rhizosphere.
7. T/F Soil prokaryotes are only autotrophic.  
A. True   B. False
8. Cyanobacteria are unique because they contain which of the following?  
A. Chlorophyll   B. Xylem vessels   C. Phloem tubes   D. Fungal mantle

9. Which of the following is phytotoxic?  
A. K    B. Fe    C. Mn    D. Al    E. Ca
10. List out the 17 essential plant nutrients.
11. Correctly identify *two* eukaryotic organisms from the following:  
A. Protozoa    B. Monera    C. Algae    D. Coccus    E. Stele
12. Which is more physiologically diverse?  
A. Eukaryotes    B. Prokaryotes
13. Where are Methanogens known to be commonly found?  
A. Contaminated soils    B. Acidic soils    C. Poorly drained soils    D. Salty conditions
14. T/F It is thought that fungi and actinomycetes tend to prevail in desert soils due to their extensive filamentous growth.  
A. True    B. False
15. At what temperature are cells progressively killed?  
A. 25°C upward    B. 35°C upward    C. 9°C downward    D. 2°C downward