

Biology/Geology 350  
Invertebrate Paleontology: The History of Life on Earth  
Exam Number Two

Question Three  
PROTEROZOIC EVOLUTION AND ECOSYSTEMS

QUESTION TWO:

Beginning with the **Proterophytic** and ending with the end of the **Proterozoic**, construct a discussion exploring the evolution of life's biochemistry and adaptive strategies, and the accompanying evolution of geo-ecosystems, during this span of time. Be sure to distinguish empirical evidence (the rock and fossil record) from theory and hypothesis (explanations for the record).

***If this question is chosen I will provide with the test slip a blank copy (i.e. all text removed but outlines remaining) of the handout "Evolutionary Strategies in the Evolution of Life."***

You may also use while answering this question these handouts:

- ☞ ***"Major Developments in the History of Life and the Earth"*** (filled out version),
- ☞ ***"The 16 Phyla of The Monera Kingdom"***

That is, it is not description of the raw information that is important, but explanations of processes and why things occurred and behaved when and the way they did.

