

Honors Biology  
Ch 17 Questions  
Carmel High/Dooner

1. Describe the Miller-Urey experiment(page 424)
2. Why did Miller and Urey use a mixture of nitrogen, hydrogen, methane, and ammonia in their apparatus?
3. Why was it necessary to perform their experiment in a sterilized, closed system?
4. What was the purpose of the electric sparks?
5. Does the Miller Urey experiment show what actually happened on early Earth?
6. Explain "endosymbiotic theory".(p 427)
7. On a separate sheet, copy the diagram on p 421 showing Geologic Time Scale.
8. What is "Half-Life"?(p 420)
9. What process added oxygen to Earth's atmosphere?(p 426)
10. Why did mammals not become successful for more than 100 million years after they first evolved?(p 433)