

**ASTR101**  
**Unit 12 Assessment**

1. Describe in some detail our current model for the formation of the solar system. What evidence do we have that this model might be correct?
2. What evidence supports the claim that the earth is 4.6 billion years old?
3. List the important differences between the earth as it is now and as it was shortly after it formed. Explain how these differences were produced.
4. What is meant by plate tectonics? What evidence suggests that it exists? What are some of its consequences?
5. What is our current model for the origin of the moon? What evidence is there that it might be correct?