

**Self-study Problems #7: Early primates and Plio-pleistocene hominins**

1. What does Potassium-Argon dating date?
2. In what kind of climate and ecological setting did the first primates evolve?
3. Describe the important features of an angiosperm.
4. Briefly describe the first primates of the Eocene. What modern primates did they resemble?
5. Explain Cartmill's visual predation hypothesis of the origin of primates.
6. Explain why our recently improved information about plesiadapiforms casts doubt on the visual predation hypothesis.
7. Explain the "two-step" hypothesis of the origin of primates.
8. What evidence from the fossil record fits well with the the "two-step" hypothesis?
9. Describe some important features of hominoid locomotion and anatomy that may have originated in the late Oligocene and were clearly well developed in the second half of the Miocene.



