



Figure 13.1 Main-sequence and post-main-sequence evolutionary tracks of stars with an initial composition of $X = 0.708$, $Y = 0.272$, and $Z = 0.020$. (Figure from Iben, *Annu. Rev. Astron. Astrophys.*, 5, 571, 1967. Reproduced with permission from the *Annual Review of Astronomy and Astrophysics*, Volume 5, ©1967 by Annual Reviews Inc.)