1067-13-2229 Jared L Painter\* (jlpainter@uta.edu), 411 S. Nedderman Drive, Department of Mathematics, Arlington, TX 76019-0408. Tendencies of Trivariate Monomial Resolutions. Preliminary report. We will explore some specific properties admitted by the free resolutions over S of R = S/I where S = k[x, y, z], k a field and I is a monomial ideal. The main focus will be resolutions where I is primary to the homogeneous maximal ideal, so that R is Cohen-Macaulay. Specifically, we will identify certain characteristics of the last matrix of these resolutions. These characteristics pertain to the question of whether the first Bass number of R is always larger than the zeroth. (Received September 22, 2010)