A modular form $f(z)$ may be written uniquely as $f(z) = \Delta(z)^a E_4(z)^b E_6(z)^c g(j(z))$ where $j$ is the $j$-invariant. In this talk I will consider the divisibility of level 1 eigenforms and their relationship to $g(j(z))$. In particular I will give the relationship between the irreducibility of $g(j(z))$ and factorization of a corresponding eigenform. I will also present the computations I performed to show the irreducibility of $g(j(z))$ to higher weights. (Received September 14, 2011)