Let (e_n) be a Schauder basis for a Banach space X. For $x \in X$ with basis expansion $\sum_{i=1}^{\infty} a_i e_i$, let $G_n(x) = \sum_{i \in A_n} a_i e_i$, where $\{a_i : i \in A_n\}$ is the set of n largest coefficients. We should like to have convergence to x of these "greedy approximants" $G_n(x)$. We could even ask for $G_n(x)$ to be essentially the best n-term approximation to x. We describe some recent results concerning existence, nonexistence, uniqueness, and duality for bases like this of a 'greedy' type.