After many decades of research the question “How do Enzymes work?” still causes great debate. Recently, the question: “Does protein dynamics affect catalysis?” has emerged as a point of major contention. We study enzymatic barrier passage using transition path sampling with new reaction coordinate identification methods for three enzyme systems. The answer is unequivocally sometimes. In addition, we study longer time protein dynamics using potential surface search methodologies. The structure of a protein that permits the involvement of dynamics is examined with simulation and statistical analysis. Finally we harmonize the claims made against the importance of protein dynamics with the clear data we and others have produced.