Bachelor thesis studies the behaviour of the continuum function on singular cardinals in theory ZFC. The work is divided into two parts. The focus of the first part is on the Silver's Theorem and it analyzes two different proofs of this Theorem, Silver's original proof and the second, purely combinatorial, proof by Baumgartner and Prikry. The second part is devoted to the Singular Cardinal Hypothesis, which influences the behaviour of the continuum function. In the thesis it is shown that, in the presence of large cardinals, Singular Cardinal Hypothesis is not provable in ZFC. Using Easton and Prikry forcing a model is found where the Singular Cardinal Hypothesis does not hold.