EFFECTS OF VITAMIN B12 ON ZEBRAFISH RESPIRATION

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The Effects of Vitamin B12 on Zebrafish Respiration

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Abstract

Energy drinks are a main food source for many teens. Along with caffeine, energy drinks heavily contain vitamin b12; according to many energy drink labels, vitamin b12 will accelerate metabolism and improve physical performance. This study was conducted to determine whether vitamin b12 would increase the metabolic rate of zebrafish, through the measurement of dissolved oxygen in the water. There were three trial flasks and one control. Each trial flask was filled with a different amount of vitamin b12, and the amount of dissolved oxygen in the water was measured using dissolved oxygen probes for 2 days. If the amount of dissolved oxygen in the water was the opposite. The dissolved oxygen levels increased, therefore the metabolic rate of the zebrafish decrease the metabolic rate of zebrafish.