## Answer on Question #41123, Chemistry, Physical Chemistry

## Question

Compute the time required to pass 36000 C through an electroplating bath using..

3 hr

2 hr

2 min

2.5 min

## **Answer**

```
q = I*t
t = q/I
t (seconds) = q (Coulombs) / I (Amperes)
t = 36000/I.
```

Since the value of the current I was not given in the question, we can't derive the answer. Just substitute your value of I in amperes to the last formula, then account for 1 min = 60 s and for 1 h = 3600 s.