

## Answer on Question #82948, Physics / Electromagnetism

### Question:

If you hooked a battery up to a cylinder of water, what current would flow if it was sea water, and what current would flow if it was tap water?

### Solution:

In case of sea water the current is produced mostly by  $Na^+$  and  $Cl^-$  ions, tap water – by  $H^+$  and  $OH^-$  ions. In the first case the ions concentration is rather high, respectively the current in sea water will be more than one in tap water.

### The answer:

Please see above.

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