

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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