

Worksheet: Electrolytes

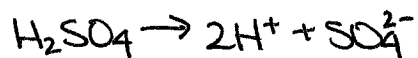
Key

1. Classify the following as electrolytes or nonelectrolytes:

(Don't worry about weak or strong)

- | | |
|-----------------------------------|-----------------------|
| a. LiNO_3 | <u>electrolyte</u> |
| b. C_8H_{18} | <u>nonelectrolyte</u> |
| c. $\text{C}_2\text{H}_6\text{O}$ | <u>nonelectrolyte</u> |
| d. H_2SO_4 | <u>electrolyte</u> |
| e. AlCl_3 | <u>electrolyte</u> |

2. For the electrolytes in question 1, write a reaction showing dissociation of the ions. (Assume complete dissociation)



3. What would happen to a light bulb if it were put into salt water? Into sugar water?

↳ in salt water - light up

↳ in sugar water - nothing