



VIDEO LAB: Electrolytes

WATCH

Watch the video and answer the questions.

LAB DATA AND ANALYSIS

Complete the table based on the data from the Video Lab.

1)

Substance	Conductivity (milliamperes)
distilled water	
tap water	
sugar (solid)	
salt (solid)	
sugar dissolved in water	
salt dissolved in distilled water	
NaOH in distilled water	
HCl in distilled water	

Answer the questions based on the data from the Video Lab.

2) What is an electrolyte? _____

3) Why does tap water conduct electricity but distilled water does not? _____

4) What can you conclude happens to strong acids and bases when placed in water? _____

5) Would wet hands be better conductors than dry hands? Explain. _____

6) What types of substances would definitely be good conductors? _____
