

New laws for measuring chromium in water are on the horizon

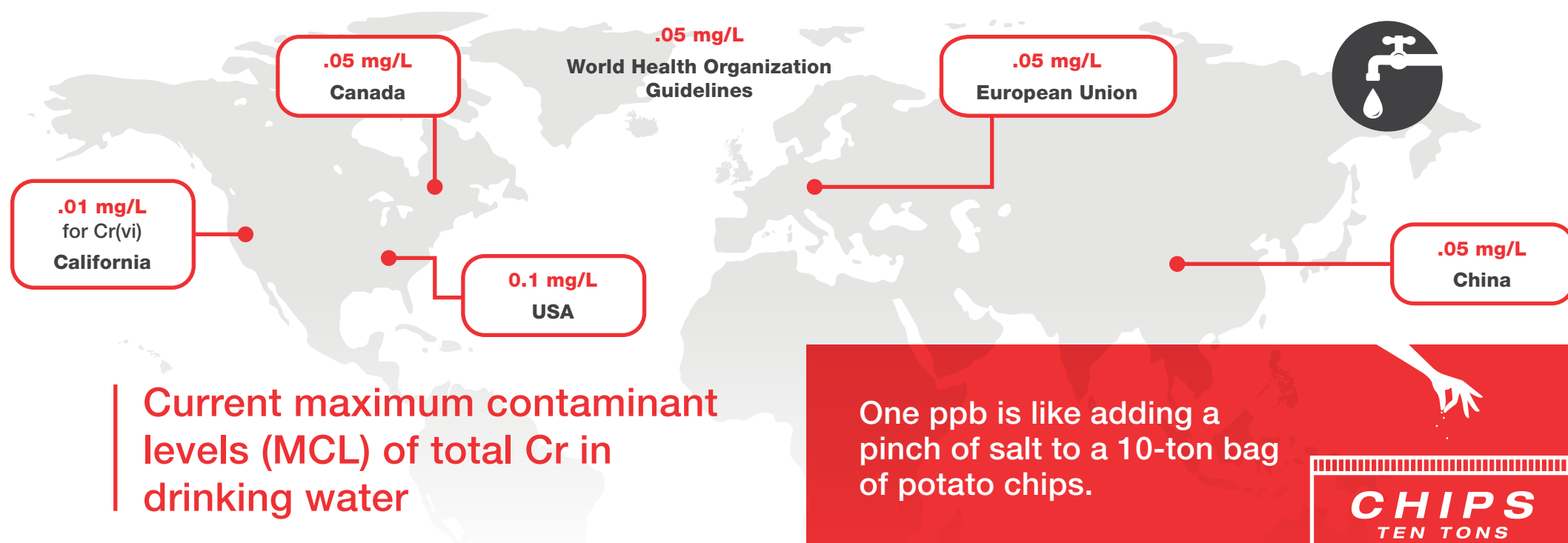
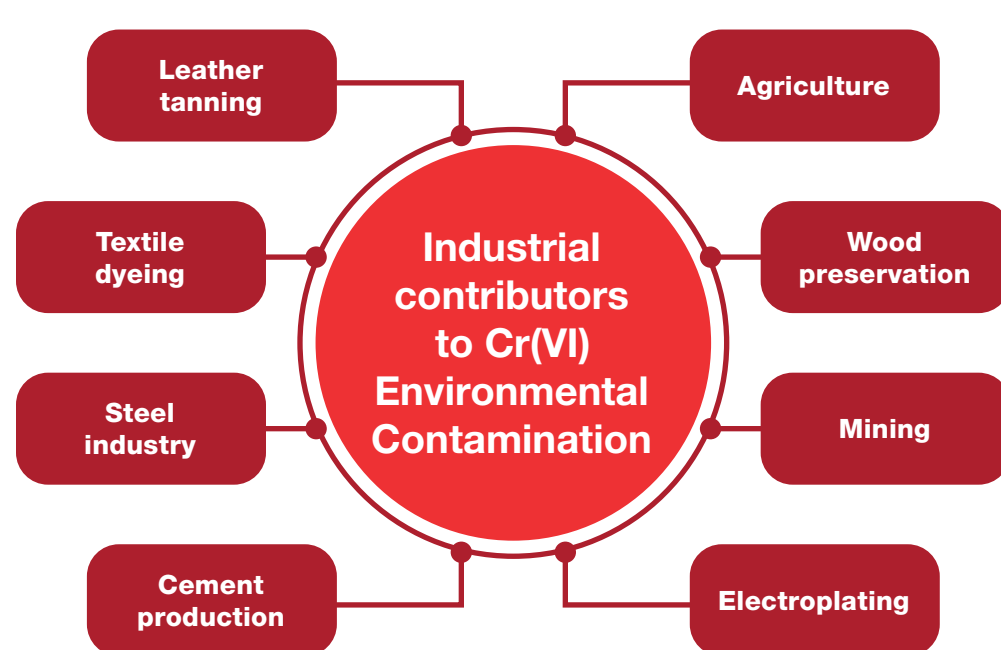


In the past, measuring the total amount of an element was sufficient. However, different forms of an element can exhibit varying toxicities. For example, hexavalent chromium is under evaluation for new legislation by the US EPA and the EFSA. One US state, California, has decided not to wait for federal legislation and has become the first to propose implementing a limit.

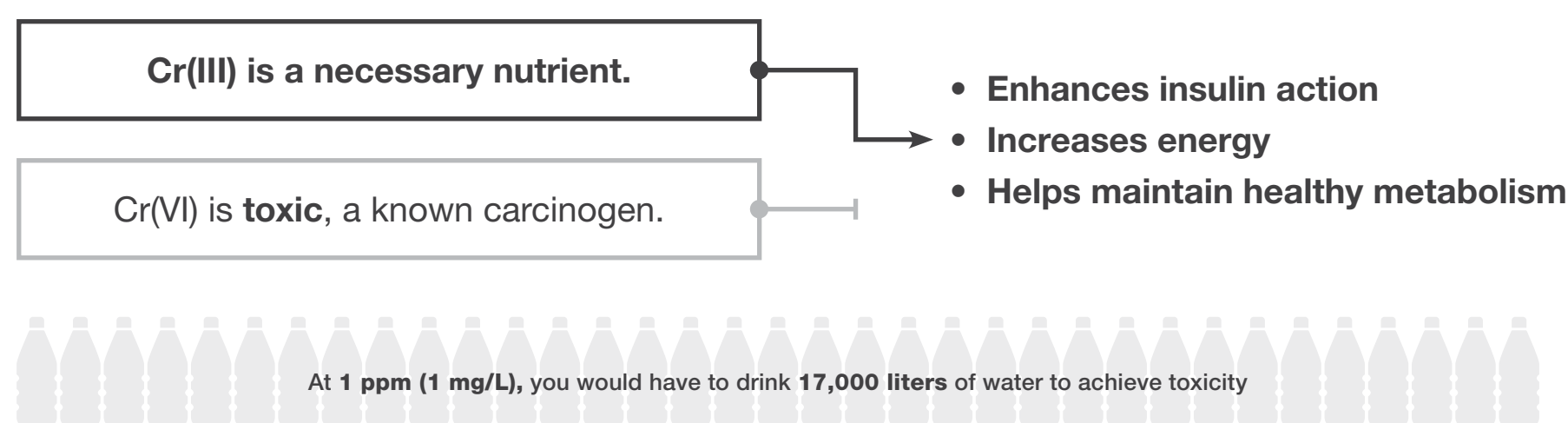
Are you ready to test?

Chromium occurs naturally and is produced through industrial activities

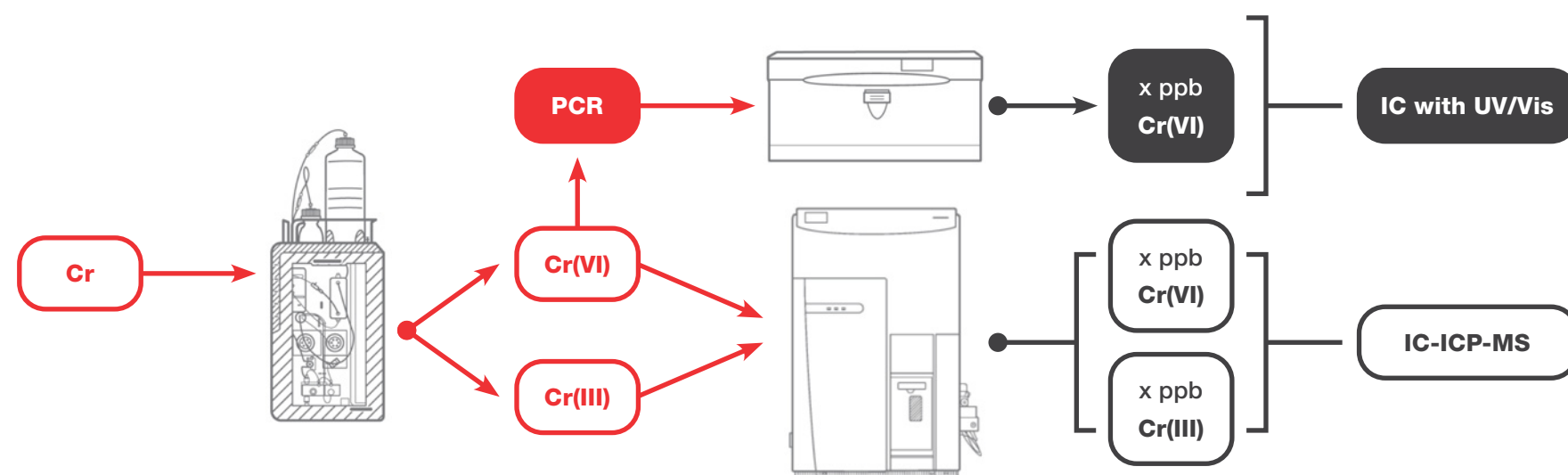
Cr(III) and Cr(VI) released to the environment are persistent as sediments.



Good chromium vs. bad chromium



IC separates the different elemental species of chromium, enabling Cr (VI) to be quantified by post-column reaction (PCR) with UV/Vis detection, while ICP-MS can be used to quantify the total amounts of the different chromium species.



IC with PCR or IC-ICP-MS are ideal solutions for hexavalent chromium analysis to ensure a cleaner, safer and healthier environment.

Learn more at thermofisher.com/chromium

