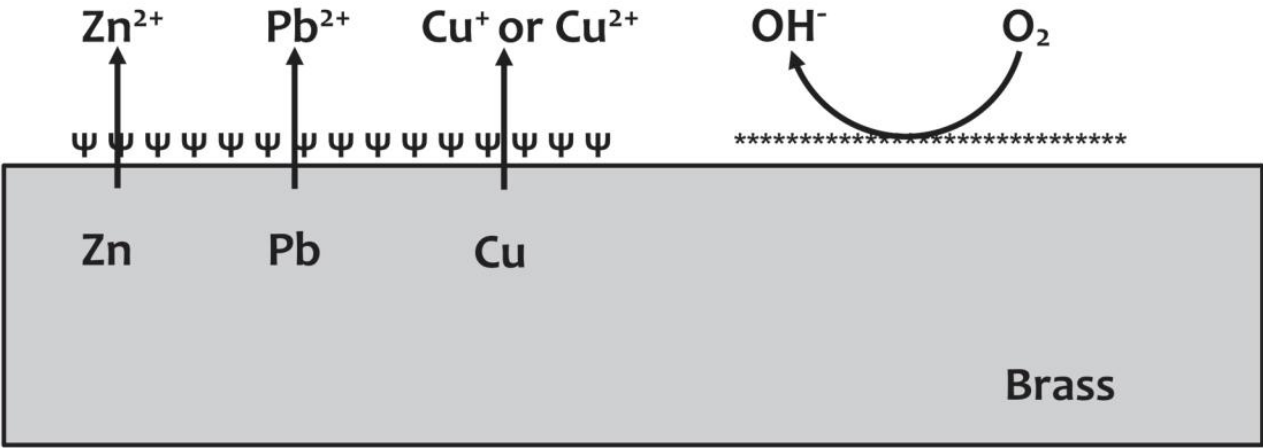


The corrosion of brass plumbing fixtures has been identified as a possible cause of the presence of lead in drinking water. Brass is an alloy of copper and zinc but can also contain lead to improve machinability.

The corrosion of brass is a redox process, with an electrochemical cell forming on the surface of the brass as illustrated below.



7. The composition of brass can be adjusted by adding various metals. Which one of the following metals would **not** undergo corrosion if added to brass?
- (a) silver
 - (b) nickel
 - (c) iron
 - (d) strontium