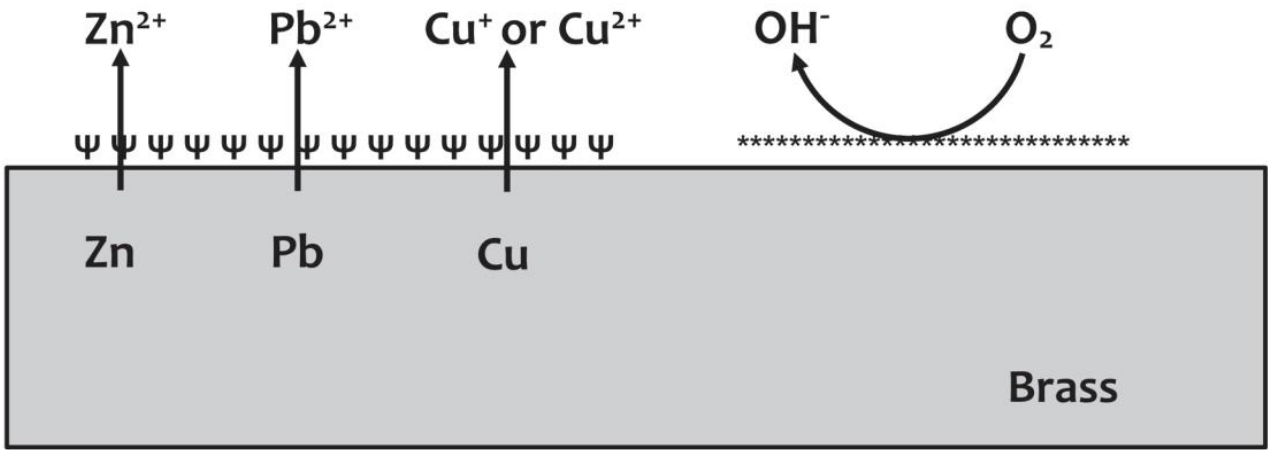


The corrosion of brass plumbing fixtures has been identified as a possible cause of the presence of lead in drinking water. Brass is an alloy of copper and zinc but can also contain lead to improve machinability.

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



5. Which one of the following correctly identifies the anodic region, cathodic region and direction of electron flow?

	Anodic region	Cathodic region	Direction of electron flow
(a)	Ψ	*	$\Psi \rightarrow *$
(b)	*	Ψ	$\Psi \rightarrow *$
(c)	Ψ	*	$* \rightarrow \Psi$
(d)	*	Ψ	$* \rightarrow \Psi$