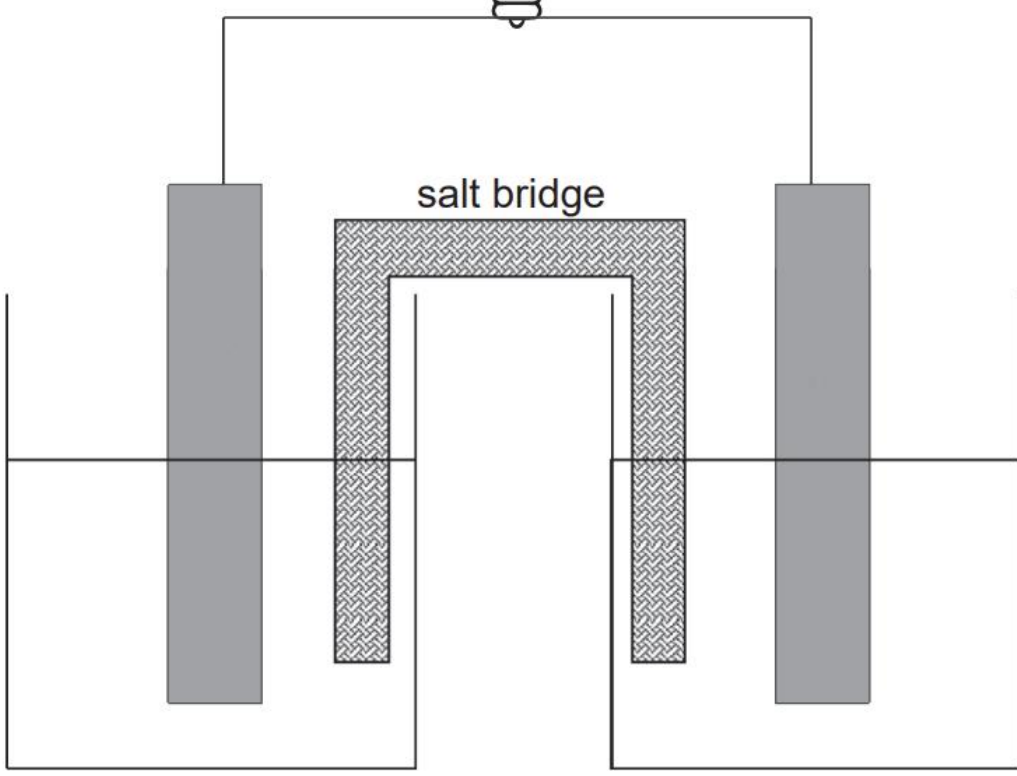




salt bridge

Half cell 1

Half cell 2



12. Which combination of electrodes and aqueous electrolytes will result in the possibility of the globe glowing? Assume standard conditions.

Half cell 1		Half cell 2	
Electrode	Electrolyte	Electrode	Electrolyte
(a) graphite	$\text{Ni}(\text{NO}_3)_2(\text{aq})$	silver	$\text{AgNO}_3(\text{aq})$
(b) silver	$\text{Ni}(\text{NO}_3)_2(\text{aq})$	graphite	$\text{AgNO}_3(\text{aq})$
(c) nickel	$\text{Ni}(\text{NO}_3)_2(\text{aq})$	silver	$\text{AgNO}_3(\text{aq})$
(d) nickel	$\text{AgNO}_3(\text{aq})$	silver	$\text{Ni}(\text{NO}_3)_2(\text{aq})$