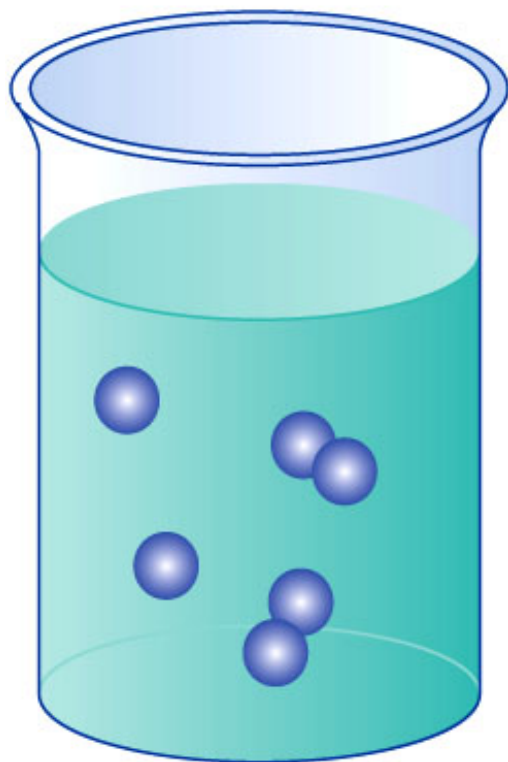


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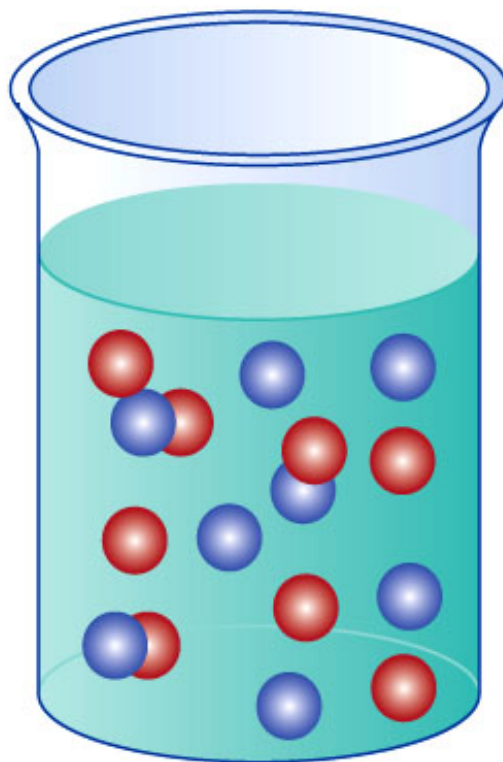
(a) Pure substance

(b) Homogeneous mixture

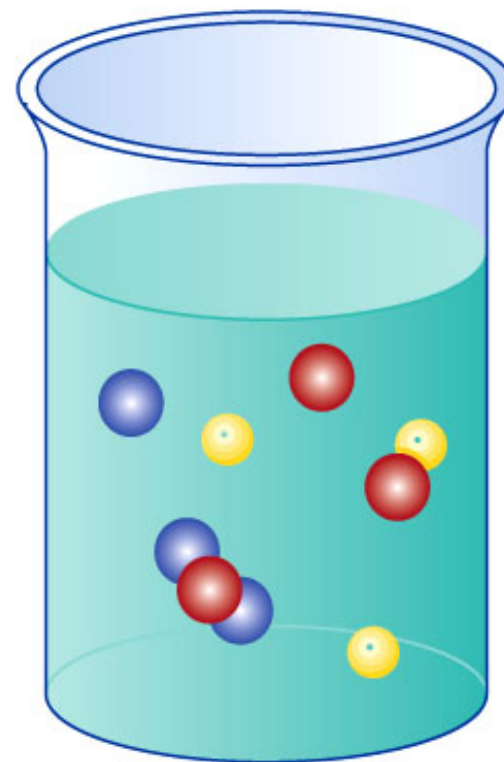
(c) Heterogeneous mixture



Water



Sugar and water

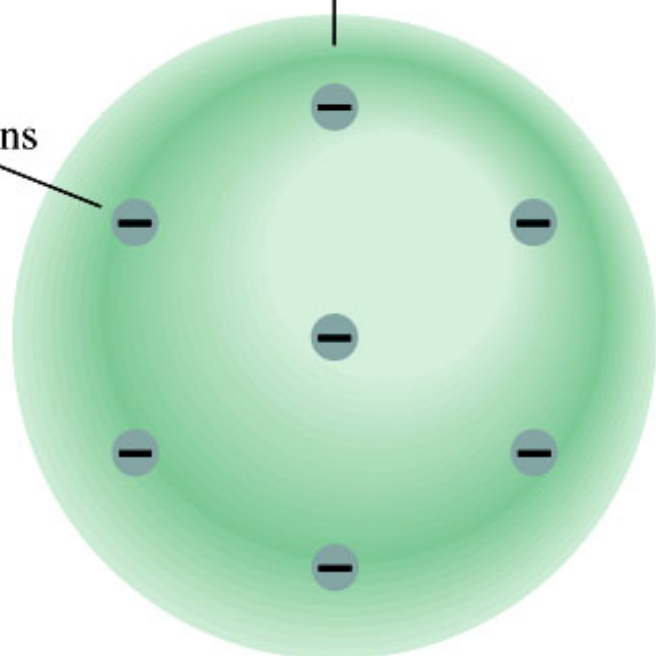


Salt, water, sand, toxic waste, etc.  
Seawater

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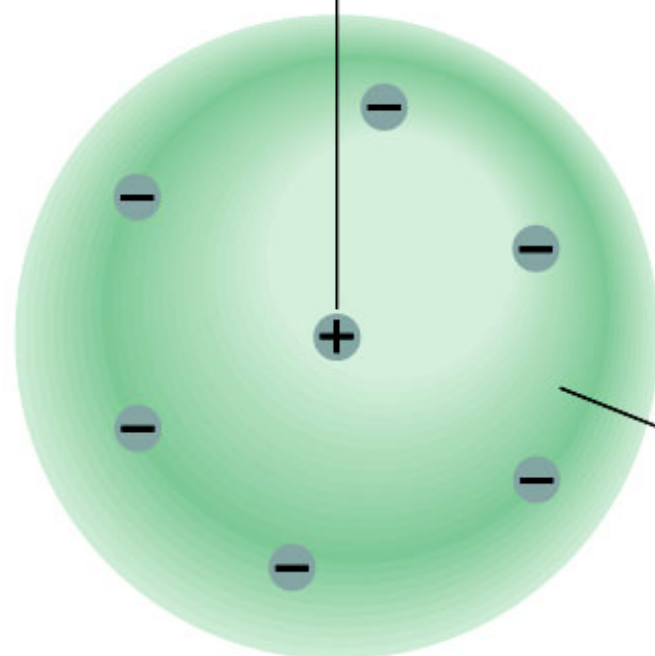
Positive charge spread  
throughout the entire sphere

Electrons



(a)

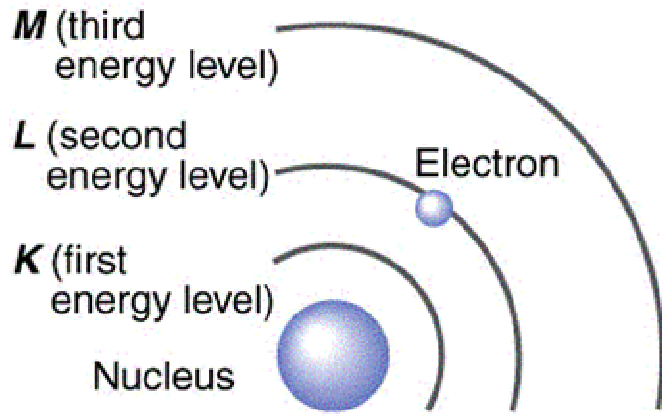
Dense, positively  
charged nucleus



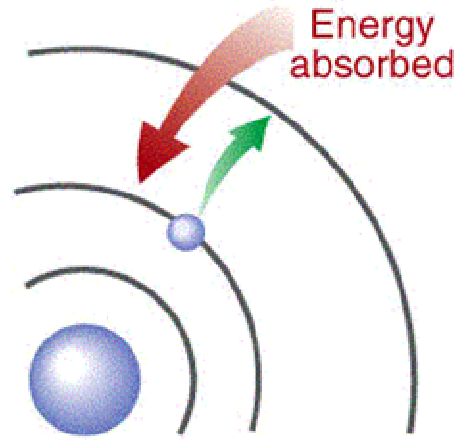
A region of  
mostly empty  
space where  
electrons reside

(b)

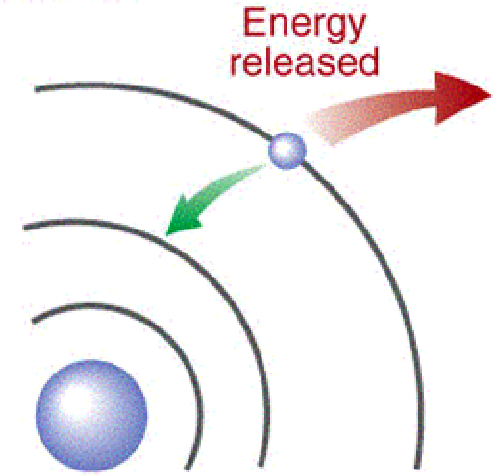
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(a)



(b)



(c)

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