**Solutions Chem:**

**Dilutions: Quiz 4c**

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Answer the following:

1. Write dissociation equations to represent the equilibrium present for a saturated solution of each ionic compound.
   1. KCN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. V2O5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. If 3.78 L of 0.960 M sodium oxide solution is added to 6.36 L of 0.550 M sodium nitrate solution, what is the resulting concentration of [O-2] and [NO3-]?

Answers:

1. Write dissociation equations to represent the equilibrium present for a saturated solution of each ionic compound.

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* 1. KCN KCN (s) 🡪 K+ (aq) + CN- (aq)

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* 1. V2O5 V2O5 (s) 🡪 2V+5 (aq) + 5O-2 (aq)

1. If 3.78 L of 0.960 M sodium oxide solution is added to 6.36 L of 0.550 M calcium nitrate solution, what is the resulting concentration of [O2-] and [NO3-]?

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