

- g) Add 2 drops of 0.2M KSCN to Well D [1]
- h) Add 2 drops of 6.0M NaOH to Well E[1]
- i) Examine Wells B[1] to E[1] in comparison to A[1]
- 3. Using the equation, find the ion creating stress in each tube that had an equilibrium shift
- 4. Decide whether or not an equilibrium shift occurred in each tube and indicate the direction of equilibrium shifts with arrows
- 5. Explain your observation in Well E[1]

Appendix G: Questionnaire to assess trainees' opinions

This evaluation sheet is to assess your impressions about the SSSE and CBA and how they impacted on your understanding about Chemical Equilibrium. Read each item carefully and agree or disagree with the statements provided by making a tick (✓) with respect to the rating scale provided as points.

SD=Strongly Disagree (1) D=Disagree (2) N=Not sure (3) A= Agree (4) SA= Strongly Agree (5)

Item	Statements	SD	D	N	A	SA
1	The SSSE was fun and easy to use					
2	Past teaching methods made it difficult to understand concept 'equilibrium'					
3	Using the SSSE enhanced my understanding of concepts about the term 'dynamism'					
4	The activity enhanced my understanding of how stress affects the position of equilibrium					
5	I have had exposure to simpler, active ways of conducting activities					
6	The CBA procedures were simple and easy to translate into practical activity without directions from the teacher					
7	My learning skills were not affected by the SSSE concept					

	activities					
8	The small-sized equipment obstructed my ability to observe					
9	The activities didn't not enhance my deductive reflective capabilities					
10	I can predict the effect of other changes in equilibrium position because I can imagine how change will affect reacting species					

11. Please write down other comments that you wish to make which are not represented in the statements provided.

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