**Answers to Unit 3 Practice Questions**

1. C
2. B
3. D
4. A
5. C
6. B
7. A
8. A
9. A
10. C
11. A
12. D
13. A

Section B

1. 0.0003 mol
2. Theoretical yield = 63.98 tonnes, percentage yield = 67.52%
3. 0.02 moles unreacted
4. Theoretical yield = 607.14kg, percentage yield = 66.7 %
5. 0.3g in 20 sweets; 0.015g in 1 sweet
6. a) 75% b) theoretical = 6.55g percentage yield = 39.7%
7. 0.2637g
8. a)9.0 b) 4
9. 100%
10. Theoretical yield = 6.39g % yield = 89.98%
11. 0.6 mol/l
12. 462.5mg