


10/13/15 Mole Day!

Matter Review

- | | |
|-----------------|-------|
| 1. C | 12. A |
| 2. C (Quantity) | 13. B |
| 3. B | 14. D |
| 4. A | 15. C |
| 5. B | 16. C |
| 6. D | 17. D |
| 7. B | 18. C |
| 8. D | 19. C |
| 9. C | 20. A |
| 10. D | 21. B |
| 11. D | 22. C |

23. Chemistry
 24. products
 25. chemical
 26. Chemical
 27. physical
 28. liquid
 29. gas
 30. elements / compounds
 31. B^{3+}
 32. Ne^0
 33. I^1
 34. Ca^{2+}

IA	IIA	IIIA	IVA	VA	VIA	VIIA	 VIII A	Octet
1 val e	2 val e	3 val e	4 val e	5 val e	6 val e	7 val e	8 val e	
1+	2+	3+	4+ 4-	3-	2-	1-		

groups: columns
 period: row

35. Physical: Mg melting
 doesn't change ID.
 Chemical: Mg burning
 it changed its ID.

36. see notes

37. An element/compound (pure) have distinct ID
 homogeneous mixture has multiple hidden ID.
 (blend) Requires separation to find each ID.