

## 10-2 Practice Problems

1. 99 g
2. 0.5213 mol
3. 22.25 g
4. 5.028 mol
5. 9.55 g
6. 0.1402 mol
7. 102 g
8. .4200 mol
9.  $3.5 \times 10^{23}$  atoms
10. 11.3 moles
11.  $1.50 \times 10^{24}$  atoms
12. 8.94 moles
13.  $4.14 \times 10^{23}$  formula units
14. 14.0 moles
15.  $8.91 \times 10^{24}$  formula units
16.  $5.3 \times 10^{22}$  formula units
17. 305 g
18.  $3.8 \times 10^{22}$  formula units
19. 193 g
20.  $3.0 \times 10^{22}$  formula units
21. 695 g
22.  $9.9 \times 10^{22}$  formula units
23. 39.9 mol of air
24. 8.3 L
25. 31.0 moles of oxygen
26. 309 L
27. .164 moles of Neon
28. 19.8 L
29. 4.51 moles of argon
30. 3090 L