

1. 3.0×10^1 L
2. 0.18 g Ar
3. 59°C
4. 208 L H_2
5. 1.30×10^2 g/mol
6. 6.1×10^2 mmHg Ne, 7.9×10^2 mmHg Ar, 3.5×10^2 mmHg Kr
7. 67 L of HC
8. different n (#particles)
9. Jupiter, high P and low T, so.....