

Friday, September 19

Last Time:

- Entropy & the second law
- Carnot engine

Today:

- Entropy & spontaneity
- Calculations of ΔS for reversible & irreversible processes
- Entropies as a function of T

Readings:

- Levine 3.2–3.7, 5.7

Handouts:

Reminders:

- Push back HW 4 until Wednesday?
- Enjoy the weekend

Figure 5.2

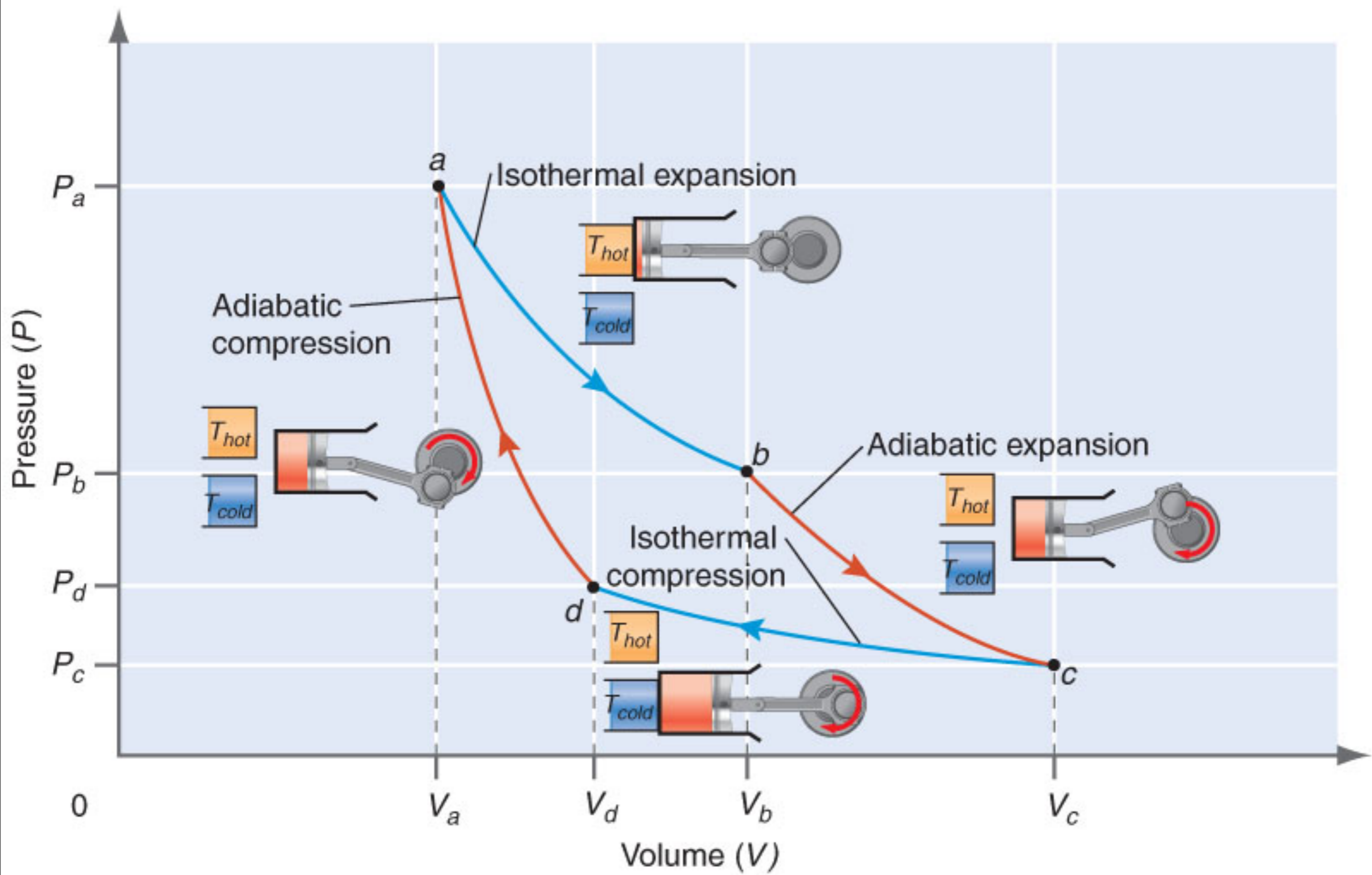
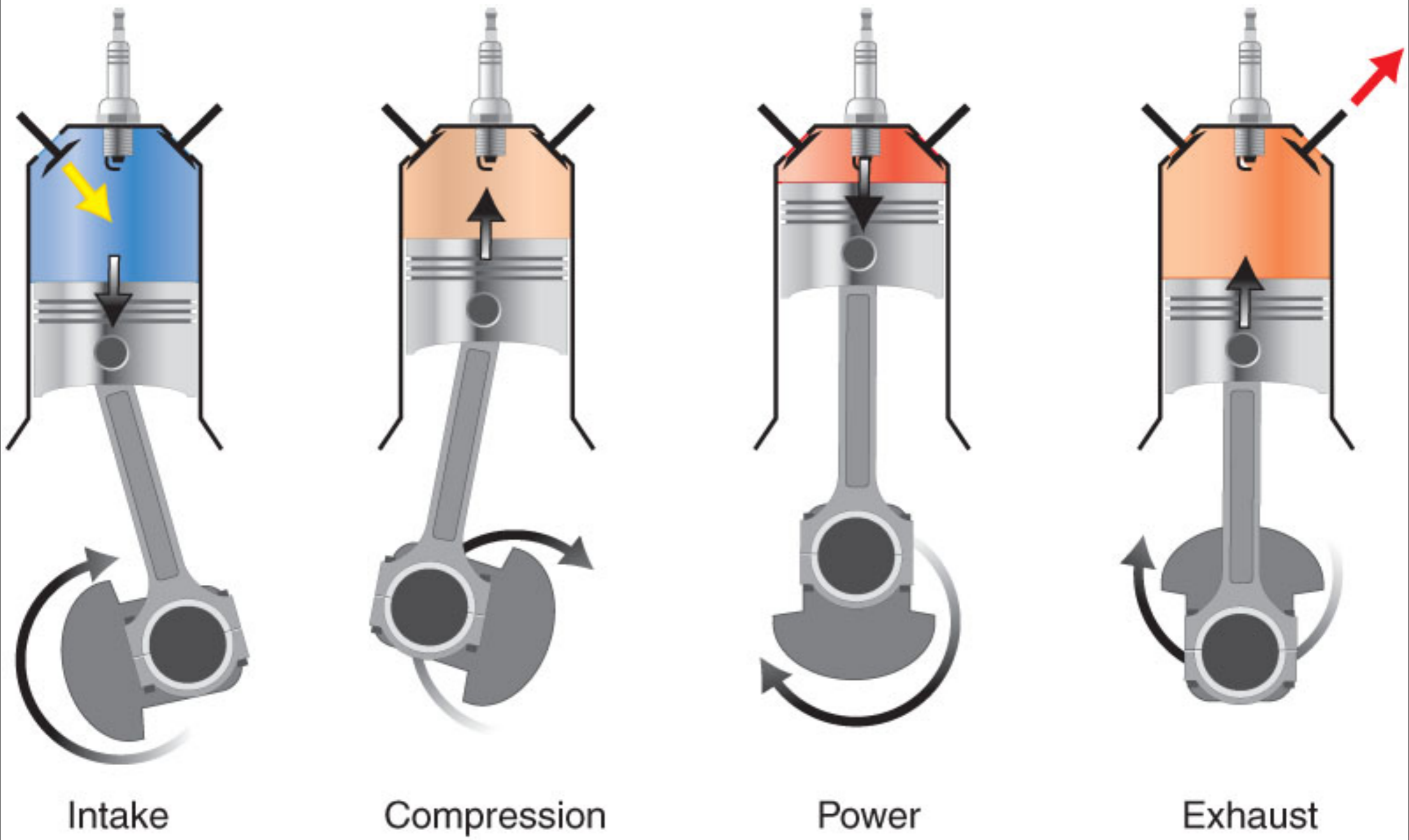


Figure 5.14



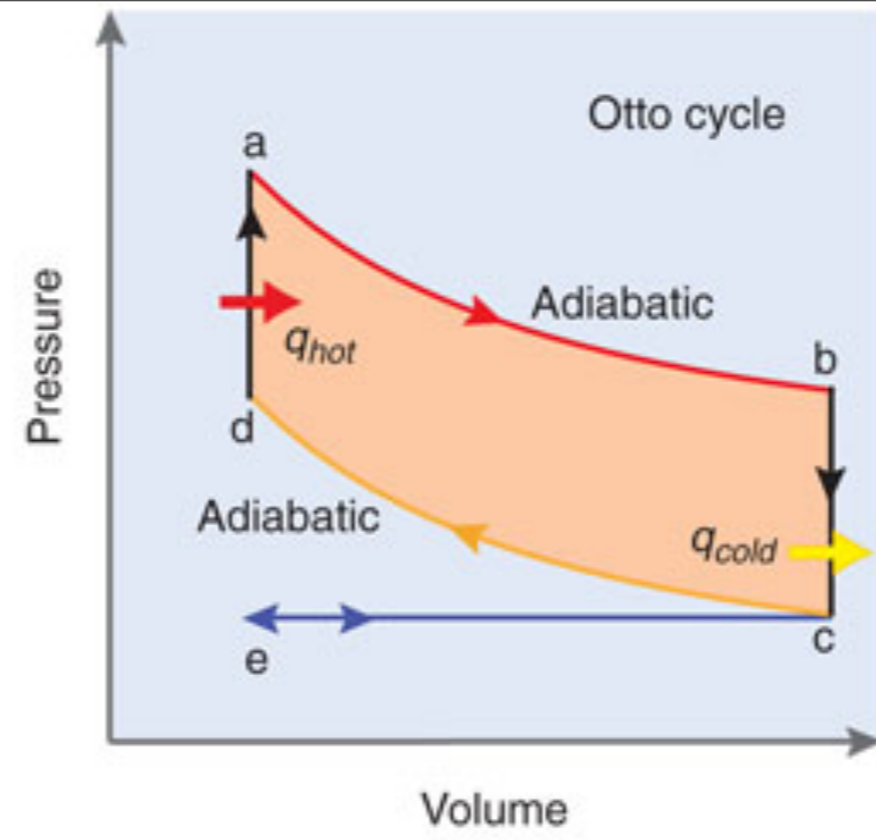
Intake

Compression

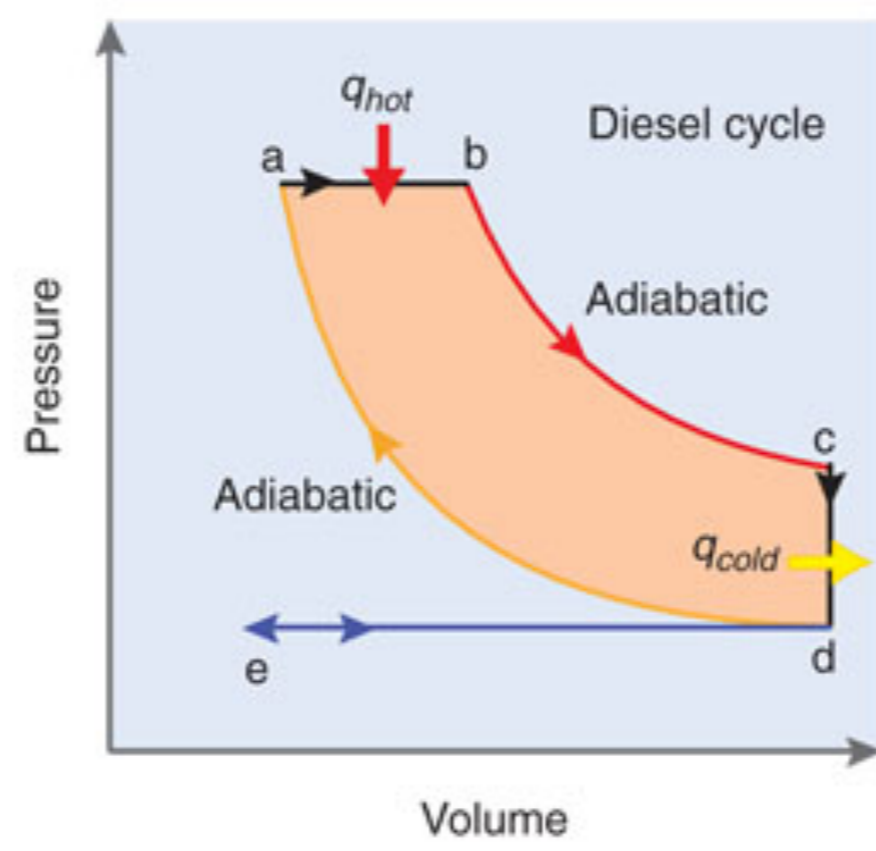
Power

Exhaust

Figure 5.15



(a)



(b)