

SUMMARY

- We are studying a **system**
 - Ex. Gas inside a piston-cylinder device
 - Gas = **system**
 - Surrounded by **surrounding**
 - Separated by a **boundary** (inside surface of cylinder)
- System has **properties** (T,p,v)
- Properties describe the **state** of the system (*State Postulate*)
- State can be shown on a **property diagram**
- When state changes; the system underwent a **process**
- If it returns to the initial state; the system underwent a **cycle**