EngrD 2190 - Mass & Energy Balances

Generic Process Flowsheet for Design Competition - 2017

Diagram of process flow with labeled components:
- **1**: Input stream A
- **2**: Reactor
  - Reaction: A → P, A → B
  - Streams: A, P, B
- **4**: Purge stream from reactor
  - Streams: A, P, B
- **5**: Gas-liquid separator I
- **6**: Gas-liquid separator II
- **7**: Gas-liquid separator I bottoms
- **8**: Product stream P (99%), A (1%)
- **9**: Waste stream A, B
- **10**: Recycle stream from gas-liquid separator II
  - Streams: A, P, B

Flow arrows and connections indicate the direction of material flow through the process.