

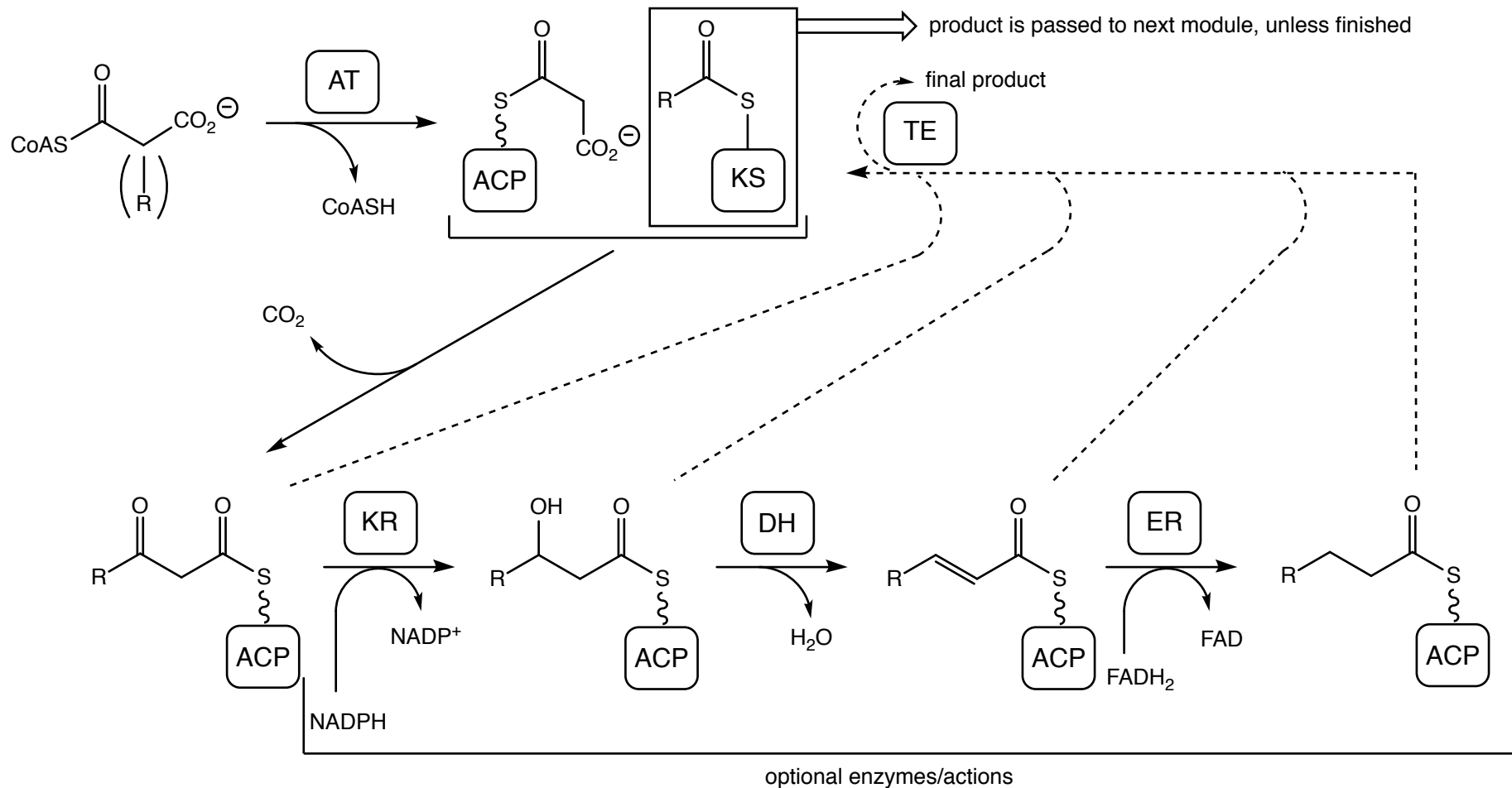
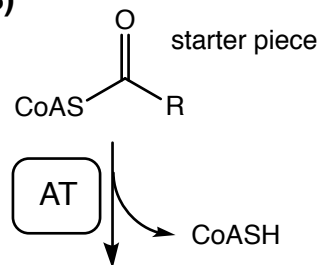
Modular Structure of Polyketide Synthases (PKS)

Chem 310
Prof. B. Hanson

Everything on this page occurs on one enzyme module

- AT acyl transferase
- ACP acyl carrier protein
- KS ketosynthase
- KR ketoreductase
- TE thioesterase
- DH dehydratase
- ER enoyl reductase

A module consists of AT, KS & ACP at minimum



Ways to build in structural diversity...