

Competitive/Non-competitive Inhibitor VENN

Slide show by Kelly Riedell/Brookings Biology

2020 CED

LEARNING OBJECTIVE ENE-1.F Explain how changes to the structure of an enzyme may affect its function.

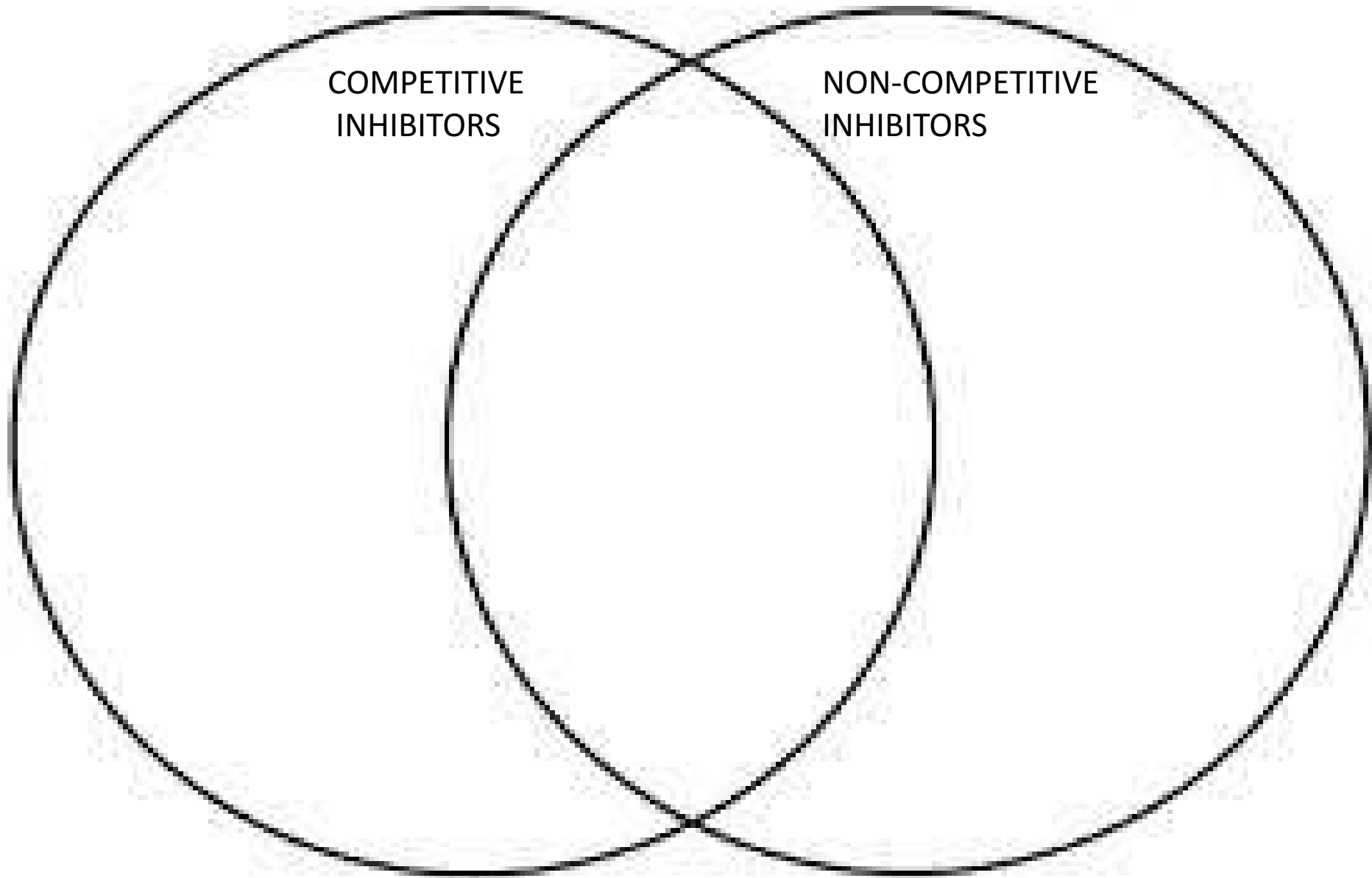
ESSENTIAL KNOWLED

ENE-1.F.1 Change to the molecular structure of a component in an enzymatic system may result in a change of the function or efficiency of the system—

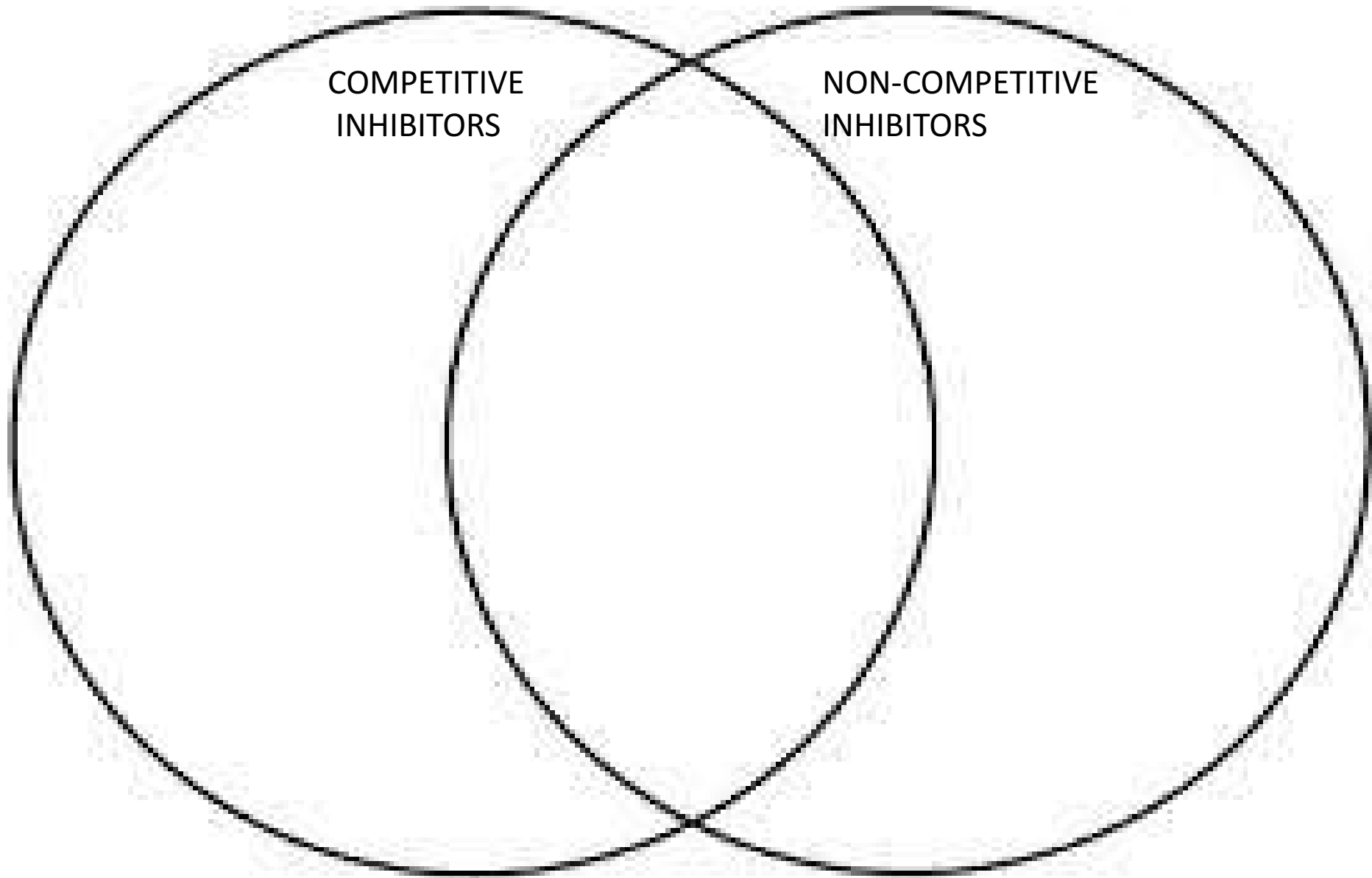
ENE-1G.4 Competitive inhibitor molecules can bind reversibly or irreversibly to the active site of the enzyme. Noncompetitive inhibitors can bind allosteric sites, changing the activity of the enzyme.

SP 2.D Represent relationships within biological models, including b. Diagrams

MAKE A MINI VENN

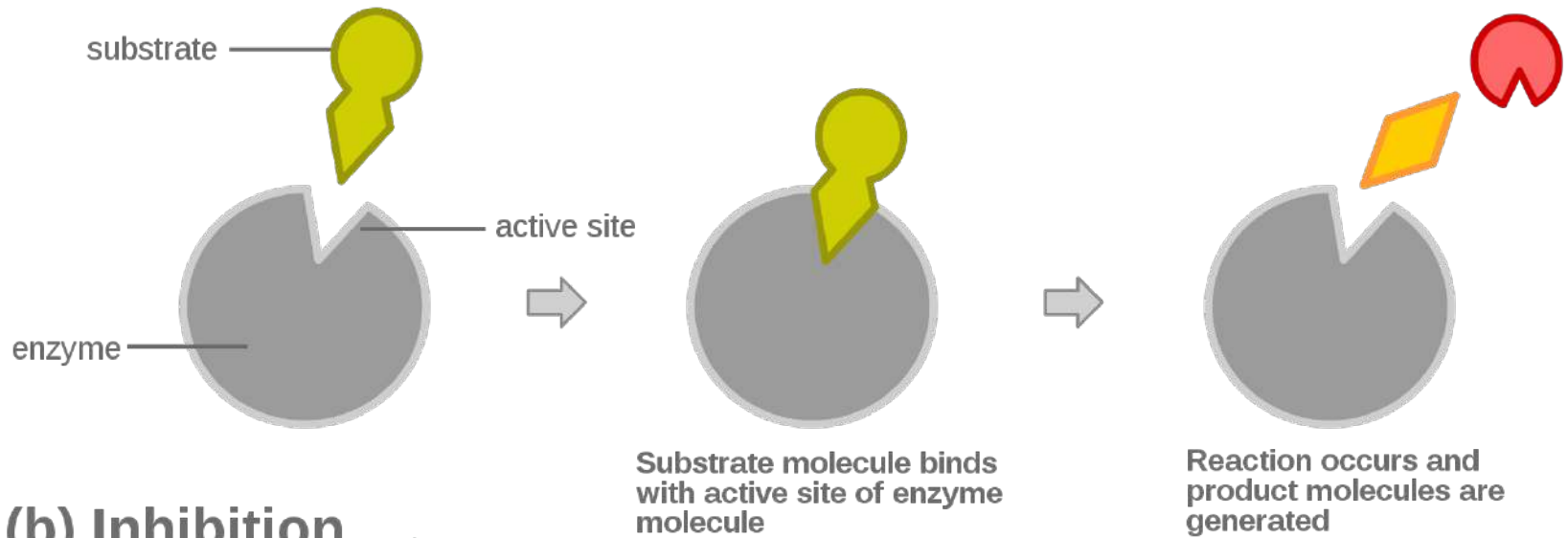


MAKE A MINI VENN

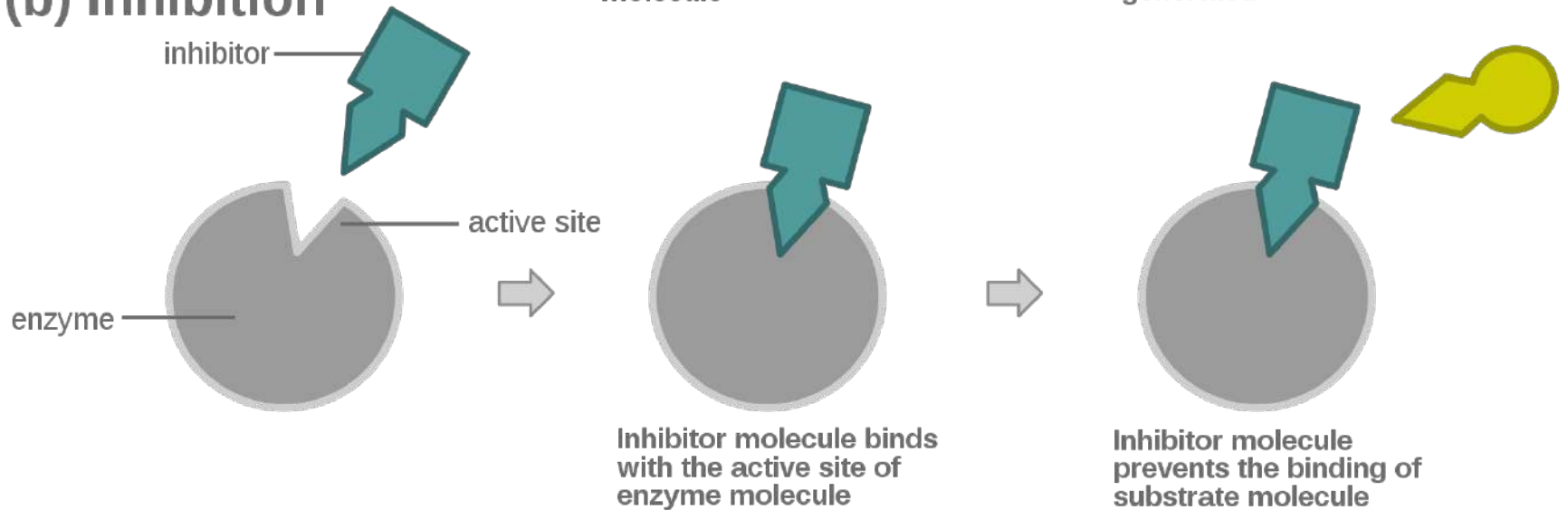


COMPETITIVE INHIBITION

(a) Reaction



(b) Inhibition



NON-COMPETITIVE (ALLOSTERIC) INHIBITION

