BOZEMAN BIOLOGY-Video Notes for ENZYMES

Catalase is an enzyme that breaks down \_\_\_\_\_\_\_\_\_\_\_\_
Write the equation for the breakdown of H2O2 by catalase.
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are two kinds of enzyme inhibition?
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



ACTIVATION- turns enzymes \_\_\_\_\_\_\_\_\_
COFACTORS: are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= Don’t contain carbon
 EX:

COENZYMES: are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = contain carbon
 EX:

Many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in our diet act as coenzymes.

INHIBITION: turns enzymes \_\_\_\_\_\_\_\_\_

COMPETITIVE INHIBITION:

ALLOSTERIC (NONCOMPETITIVE)





The rate of a chemical reaction can be determined by measuring 2 THINGS:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_created

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_consumed

Most human enzymes have an optimum temperature of \_\_\_\_\_\_\_\_