

What type of macromolecule are
enzymes?

Proteínas

What is the molecule changed
by the enzyme called?

substrate

What molecule is not used up when catalyzing a reaction and lowers the activation energy of a reaction?

enzyme

What is another name for
enzymes?

Biological catalysts

What factors affect the function of enzymes?

Adding acids or bases,
changing the
temperature, or
increasing the enzyme
concentration

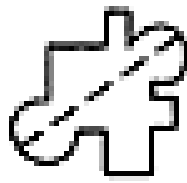
How are enzymes unique?

There are thousands of different kinds of enzymes, each promoting a different chemical reaction.

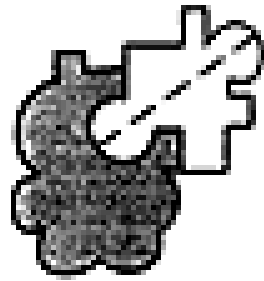
How does catalase function
as an enzyme?

Catalase breaks down
peroxide into oxygen
(bubbles) and water

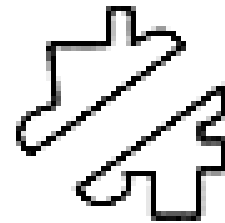
Draw a picture of (A) a substrate, (B) an ES complex, and (C) the substrate after interacting with the enzyme.



A



B



C

What does the lock and key analogy describe?

How an enzyme
functions