BILL- DRAWING OPERONS

DRAW the following:  
NEGATIVE CONTROL  
lac operon -ON  
lac operon -OFF  
trp operon- ON  
trp operon -OFF  
  
POSITIVE CONTROL PROKARYOTES  
 lac operon- CAP ACTIVE  
POSTIVE CONTROL EUKARYOTS  
 gene with enhancers- ON

Add the following to your diagrams:  
*“Name of operon* : ON or OFF  
Usually associated with CATABOLIC ANABOLIC pathways  
This operon is INDUCIBLE REPRESSIBLE  
Usually turned ON OFF  
Repressor is usually ACTIVE INACTIVE  
Repressor is ACTIVE INACTIVE when \_\_\_\_\_\_\_\_\_\_\_\_ is present  
because . . .”

PROKARYOTES:  
Mainly regulated by NEGATIVE CONTROL  
REPRESSORS bind \_\_\_\_\_\_\_\_\_\_\_\_\_\_ region to turn genes \_\_\_\_\_\_\_\_\_\_  
ACTIVATORS bind \_\_\_\_\_\_\_\_\_\_\_\_\_\_ region to turn genes \_\_\_\_\_\_\_\_\_\_

EUKARYOTES  
Regulated by both POSITIVE & NEGATIVE CONTROL   
POSITIVE CONTROL  
ACTIVATORS bind \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ region to turn genes \_\_\_\_\_\_\_\_\_\_