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 \_\_\_\_\_\_\_\_\_\_