

5.5 Control Mechanisms Vocabulary Chart

Term	Definition	Diagram and or Example
Housekeeping Genes		
Transcription Factors		
Gene Regulation		
Lactose		
β -galactosidase		
Operon		
Operator		
<i>lac</i> Operon		

LacI Protein		
Repressor Protein		
Signal Molecule		
Inducer		
<i>trp</i> operon		
Corepressor		

In the space below, describe the key differences between the *lac* operon and the *trp* operon. A couple of sketches will help to support your answer.