

Prokaryotic Gene Regulation – Lac Operon Handout

As you work your way through the prokaryotic gene regulation – lac operon video, answer the following questions to help you collect the relevant information.

1. What is the E. coli lac operon?
2. What are the other components involved in the inducible system of genes?
3. How is gene expression induced/turned on?
4. What is the function of the repressor molecule and where does it bind? How are they released?
5. What is the function of beta-galactosidase?
6. What is the function of permease?