



Figure 8.1 An overview of the mechanisms that can be used in regulation. The product of gene A is enzyme A, which is synthesized constitutively and carries out its reaction. Enzyme B is also synthesized constitutively but its *activity* can be inhibited. The *synthesis* of the product of gene C can be prevented by control at the level of translation. The *synthesis* of the product of gene D can be prevented by control at the level of transcription.