



Figure 1.3. Metabolic and endocrine fluctuations associated with the feeding-fasting cycle, as noted primarily in meal feeding animals. These changes may not be largely evident in the grazing horse. During the fed state, glucose, insulin and somatostatin increase, while free fatty acids (FFA), growth hormone (GH), insulin-like growth factor (IGF-I), glucagon and perhaps, thyroid hormone decrease (Kaneko, 1989). The opposite occurs in the fasted state. These changes may influence growth and the etio-pathogenesis of some diseases.