

Blood glucose levels fail

If insulin secretion is impaired, it can result in diabetes mellitus:

Stimulates the liver to convert glucose to [glycogen](https://www.boundless.com/biology/definition/glycogen/), in which form it can be stored.

Stimulates the breakdown of glycogen into glucose and the creation of glucose from [amino acids](https://www.boundless.com/biology/definition/amino-acid/).

Glucogon is secreted by the pancreas

Insulin is secreted by the pancreas