**Blood Glucose**

**Response**

Glycogenolysis = glycogen is converted into glucose in the liver

Gluconeogenesis = fat is converted into glucose

**Effector**

Liver

Muscle cells

**Transmission**

Autonomic nervous system sends signal from pancreas and to liver and muscle cells

**Receptor**

Glucoreceptors/chemoreceptors in pancreas

**Feedback**

Increased blood sugar concentration

**Modulator**

Alpha cells in the pancreas

**Stimulus**

Decreased blood sugar concentration