Regulation of blood glucose

Stimulus = High Blood Glucose

Sensor(s) = pancreas

Integrating center = pancreas

Effectors (muscle or gland cells) = beta cells of pancreas

What hormone is secreted? insulin

What does this hormone cause to happen in the body? tells body cells to take up blood glucose

End Effect = ↓ blood glucose
(What does this do to blood glucose?)

Stimulus = Blood Glucose

Sensor(s) = pancreas

Integrating center = pancreas

Effectors (muscle or gland cells) = alpha cells of pancreas

What hormone is secreted? glucagon

What does this hormone cause to happen in the body? tells liver to break down glycogen into glucose & release it into blood.

End Effect = ↑ blood glucose
(What does this do to blood glucose?)