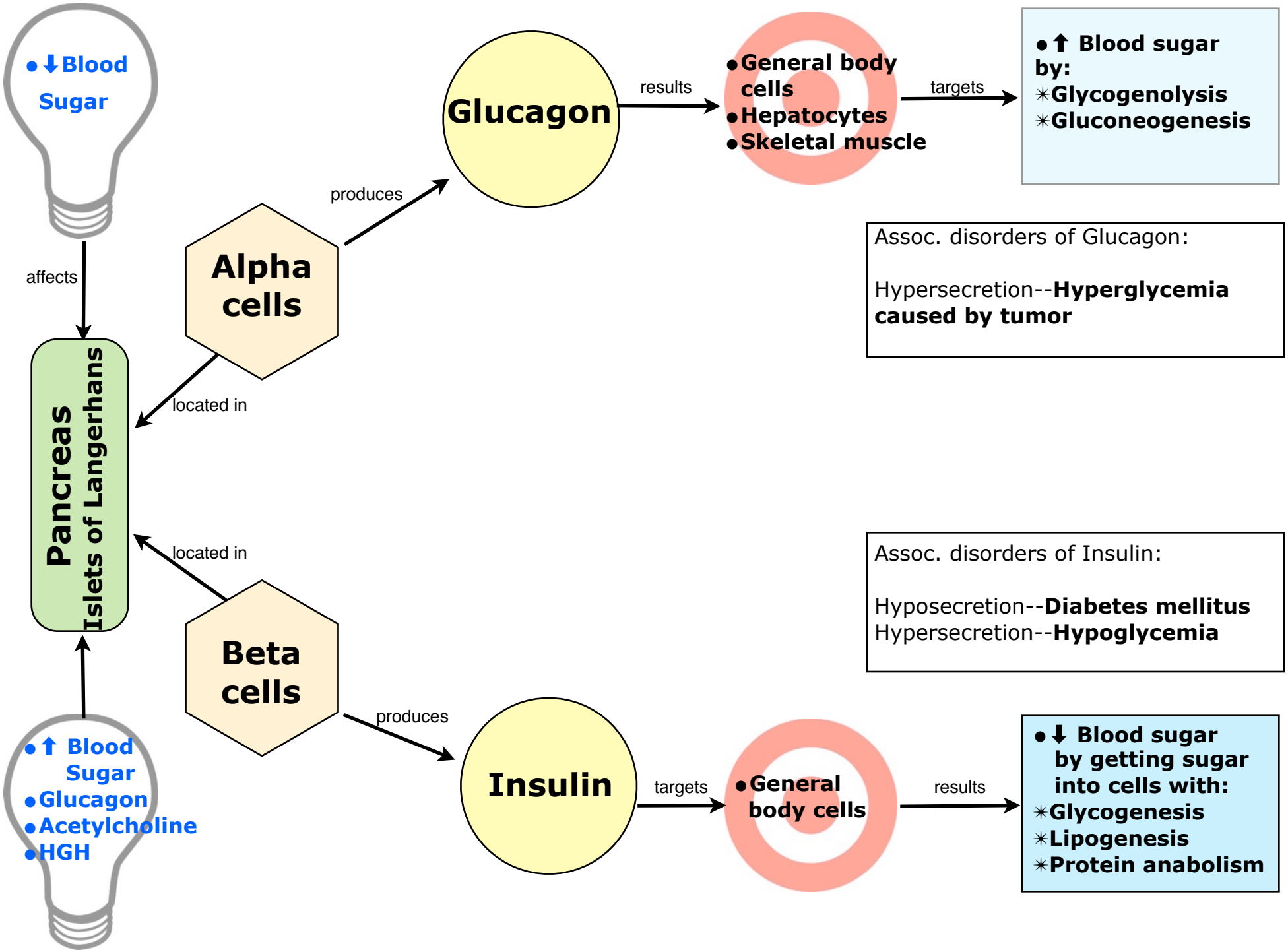
• ↓ Blood Sugar
affects
Pancreas
Islets of Langerhans
Alpha cells
located in
produces
Glucagon
results
• General body cells
• Hepatocytes
• Skeletal muscle
targets
• ↑ Blood sugar by:
✳ Glycogenolysis
✳ Gluconeogenesis
Assoc. disorders of Glucagon:
Hypersecretion--Hyperglycemia caused by tumor
Assoc. disorders of Insulin:
Hyposecretion--Diabetes mellitus
Hypersecretion--Hypoglycemia
located in
Beta cells
produces
Insulin
targets
• General body cells
results
• ↓ Blood sugar by getting sugar into cells with:
✳ Glycogenesis
✳ Lipogenesis
✳ Protein anabolism
• ↑ Blood Sugar
• Glucagon
• Acetylcholine
• HGH