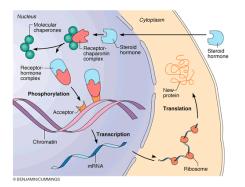
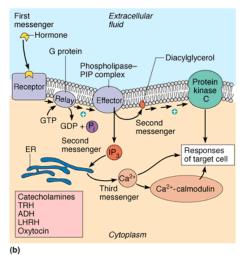
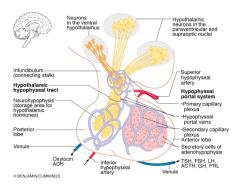
Endocrine System

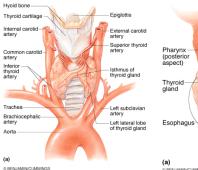


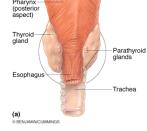


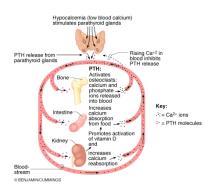


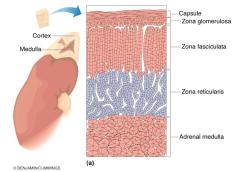
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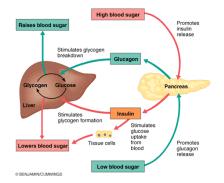












Organs/tissue involved	Organ/tissue responses to insulin deficiency	Resulting condition of:		Signs and
		Blood	Urine	symptoms
	Decreased glucose uptake and utilization Glycogenolysis Protein catabolism and gluconeogenesis	Hyper- glycemia	Glycosuria Osmotic diuresis	Polyuria - dehydration - soft eyebalis Polydipsia Fatigue Weight loss Polyphagia
> ()	Lipolysis and ketogenesis	Lipidemia and ketoacidosis	Ketonuria Loss of Na*, K*; electro- lyte and acid-base imbalances	Acetone breath Hyperpnea Nausea/vomiting/ abdominal pain Cardiac irregularities Central nervous system depression; coma
= Muscle	= Adipose tissue 🛛 🔊 = L	iver		