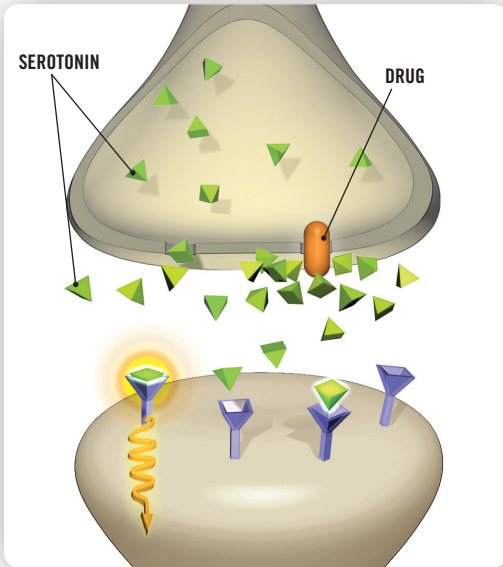
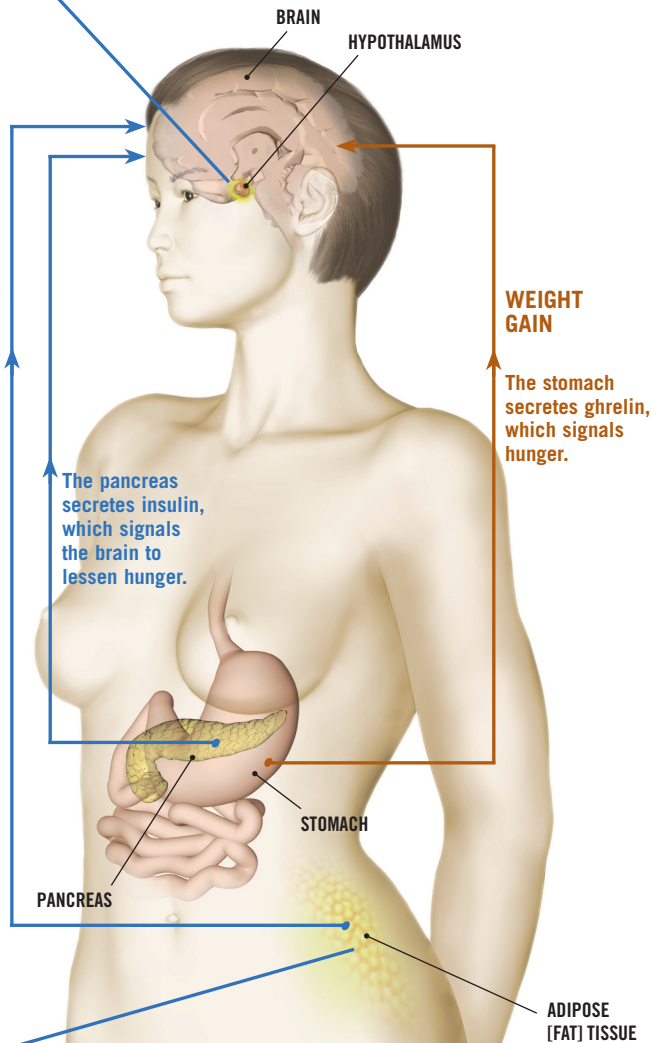


# Weight Loss or Gain

Signals to the brain from the stomach initiate hunger, while serotonin released from the brain signals a feeling of fullness. Certain drugs effect weight loss or gain.



After eating, the brain releases serotonin to signal a full feeling. **Some drugs block the reabsorption of serotonin,** prolonging satiety.



**WEIGHT LOSS**  
Increased leptin levels lead to decreased appetite.

**WEIGHT GAIN**  
The stomach secretes ghrelin, which signals hunger.

**Some drugs cause weight loss** by blocking cannabinoids from binding to receptors in adipose tissue and in the brain.

