This activity provides a simulated experiment on weight regulation in rats.

**The Hypothalamus**
- What are the two techniques used to study hypothalamic dysfunction? How do they differ?

**Experimental Simulation**
- What conclusions were you able to draw about the effects of the following procedures on the experimental rats:
  - Stimulation of the lateral hypothalamus (LH)?
  - Destruction of the LH?
  - Stimulation of the ventromedial hypothalamus (VMH)?
  - Destruction of the VMH?
  - What did you learn from this experiment about these two regions of the hypothalamus?

**Some Cautions**
- What are the two problems with a simple conclusion to this research question?