

Hunger and the Fat Rat

This module illustrates the function of the hypothalamus in regulating eating behavior in rats.

Introduction

1. What two methods for studying brain function are discussed in the module?

2. Of these two methods, which one:
Disrupts the type of behavior associated with the target region?

Activates the type of behavior associated with the target region?

Experimental Simulation

3. 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 lateral hypothalamus (LH)

Stimulation of the ventromedial hypothalamus (VMH)

Destruction of the ventromedial hypothalamus (VMH)