

Concept 3.1

Biologists study behavior through observation and experiments

Animal Behavior - What an animal does as it interacts with its environment.

Discovery Science - Observations and careful description.

Hypothesis-based Science - testing explanations usually with experiments.

Often both are used. Discovery science leads to assign questions and then to developing testable hypothesis to explain it (hypothesis-based science).

Causes of Behavior

Immediate causes - An explanation in terms of the organisms immediate interactions with the environment. (HOW)

Ultimate causes - An explanation based on the organism's evolutionary adaptations. (WHY)