

Unifying Principles of Biology

Evolution: Change in Living Systems

Do you have prior knowledge of how these organisms have changed over time?

Is there evidence that the organisms you are seeing are related in any way?

Homeostasis: Maintaining Dynamic Equilibrium in Living Systems

What evidence do you see that the organisms can maintain an internal balance?

Energy, Matter, and Organization: Relationships in Living Systems

What evidence do you see in each organism of organization and energy use?

Continuity: Reproduction and Inheritance in Living Systems

What evidence do you see that shows organisms pass on characteristics to their offspring?

Development: Growth and Differentiation in Living Systems

What evidence do you see that the organisms grow and change over their lifetimes?

Ecology: Interaction and Interdependence in Living Systems

What evidence can you find of interactions between the organisms and their environment, or with other organisms? Is there evidence that the organisms are interdependent with other organisms?