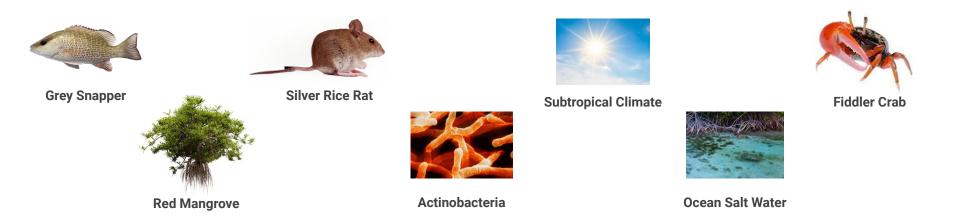
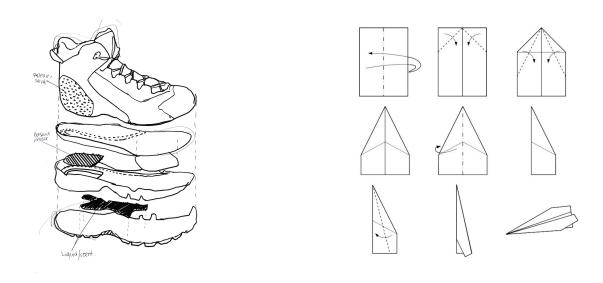


Ecosystems are complex systems composed of the relationships between animals, plants, soil, weather, water, and many other factors. To better understand ecosystems, we will illustrate these relationships through a diagram.



Florida Mangrove Ecosystem Components

A Diagram is a simplified drawing that shows what something is made of or how it works

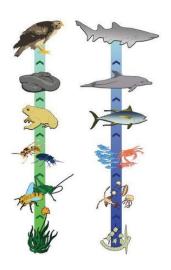


Parts of a Shoe Diagram

Paper Plane Folding Diagram

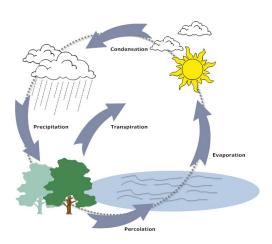
We will diagram the relationships in an ecosystem by showing:

Food Chain



Organism depending on each other for food

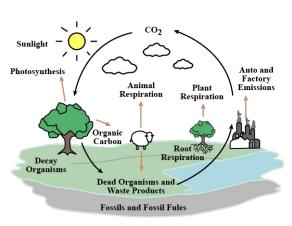
Water Cycle



The path that water follows as it moves through the habitat

Nutrient Cycle

(nitrogen + carbon)



The cyclical flow of nutrients through an ecosystem

Choose an Ecosystem



Forest Ecosystem



Desert Ecosystem



Grassland Ecosystem



Freshwater Ecosystem

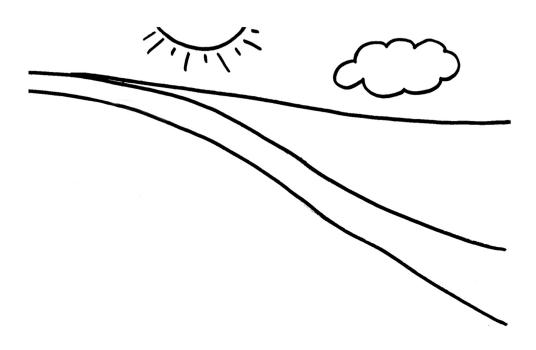


Tundra Ecosystem

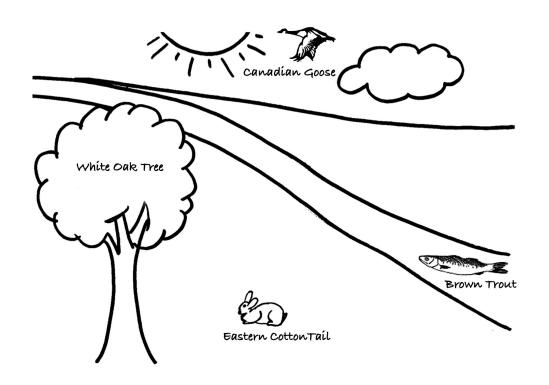


Saltwater Ecosystem

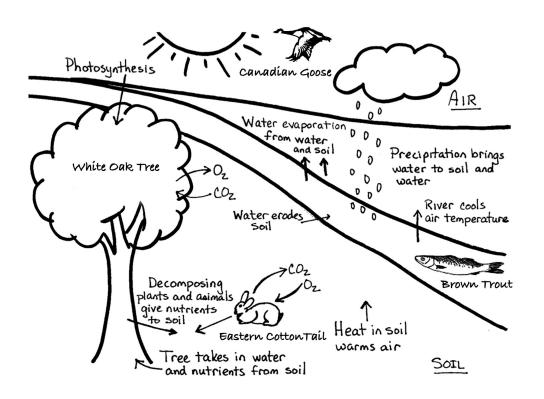
Start by representing the non-living elements of the ecosystem (landscape, water bodies, weather).



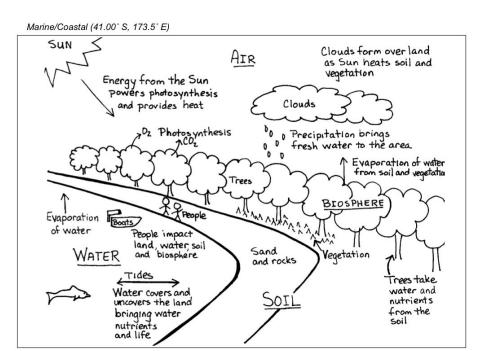
Then, represent the species diversity of plants and animals through quick sketches.

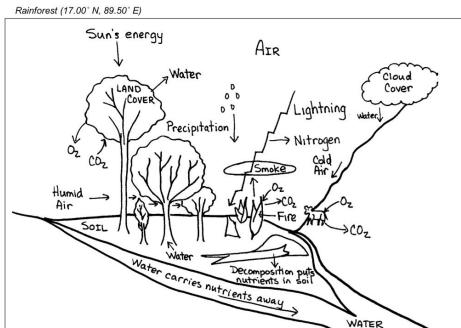


Finally, diagram the connections, relationships, and cycles through arrows and notes.



Examples

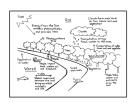




Diagramming Tips



Spend enough time researching your chosen ecosystem to select a wide variety of plant and animal species to show.





Be sure to use your whole paper, not just a corner of the page.





Diagrams are made of quick sketches, not time-consuming artwork.