

TERRARIUM.



INTRODUCTION.

I WILL BE INTRODUCING A TERRARIUM IN MY PRESENTATION.

TERRARIUMS ARE USUALLY SEALABLE GLASS CONTAINERS CONTAINING SOIL AND PLANTS, AND CAN BE OPENED FOR MAINTENANCE TO ACCESS THE PLANTS INSIDE. HOWEVER, TERRARIUMS CAN ALSO BE OPEN TO THE ATMOSPHERE RATHER THAN BEING SEALED. TERRARIUMS ARE OFTEN KEPT AS DECORATIVE OR ORNAMENTAL ITEMS. CLOSED TERRARIUMS CREATE A UNIQUE ENVIRONMENT FOR PLANT GROWTH, AS THE TRANSPARENT WALLS ALLOW FOR BOTH HEAT AND LIGHT TO ENTER THE TERRARIUM.

WHAT IS THE SCIENCE INVOLVED.

THE SCIENCE BEHIND A TERRARIUM IS ACTUALLY VERY FASCINATING, I AM GOING TO GIVE YOU THE FACTS ABOUT THE SCIENCE BEHIND A TERRARIUM. THE SEALED CONTAINER COMBINED WITH THE HEAT ENTERING THE TERRARIUM ALLOWS FOR A CREATION OF A SMALL WATER CYCLE. THIS OCCURS BECAUSE MOISTURE FROM BOTH THE SOIL AND PLANTS EVAPORATES IN THE TEMPERATURES INSIDE THE TERRARIUM. THE WATER VAPOUR THEN CONDENSES AND EVENTUALLY FALLS BACK TO THE PLANTS AND THE SOIL BELOW. THIS IS A MAJOR IN CREATING A HEALTHY TERRARIUM AND GROWING PLANTS. BESIDE THE WATER CYCLE, THE LIGHT THAT PASSES THROUGH THE TRANSPARENT CONTAINER OF YOUR TERRARIUM ALLOWS FOR THE PLANT WITHIN TO PHOTOSYNTHESIS A VERY IMPORTANT PART OF PLANT GROWTH .

ECOSYSTEM.

Ecosystems

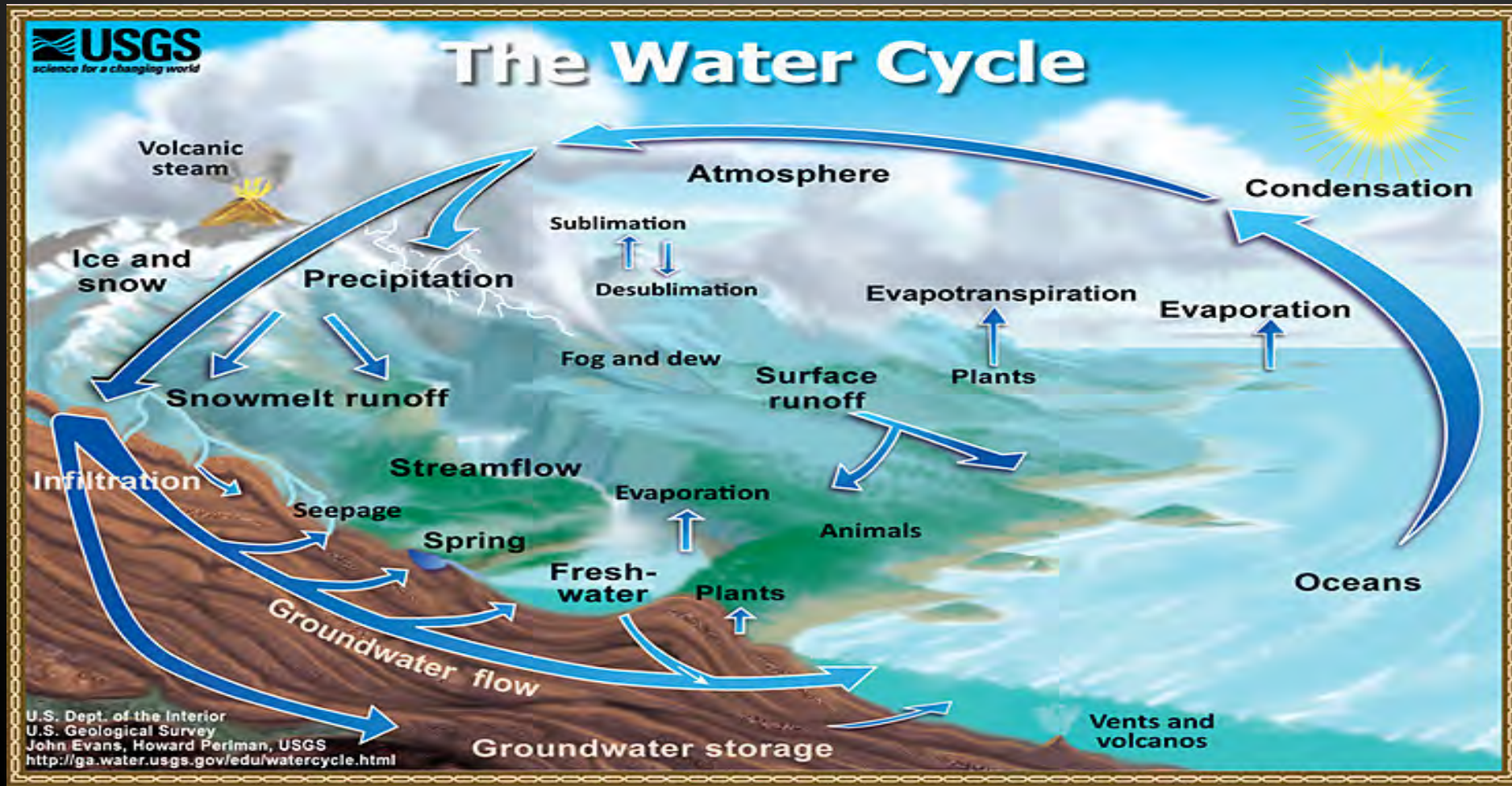
A terrarium is a model of an ecosystem.

Ecosystems include both living and nonliving things. The nonliving part of an ecosystem includes water, rocks, light, air, and soil. The living part of an ecosystem includes plants and animals. The study of how living and nonliving things interact is called *ecology*.



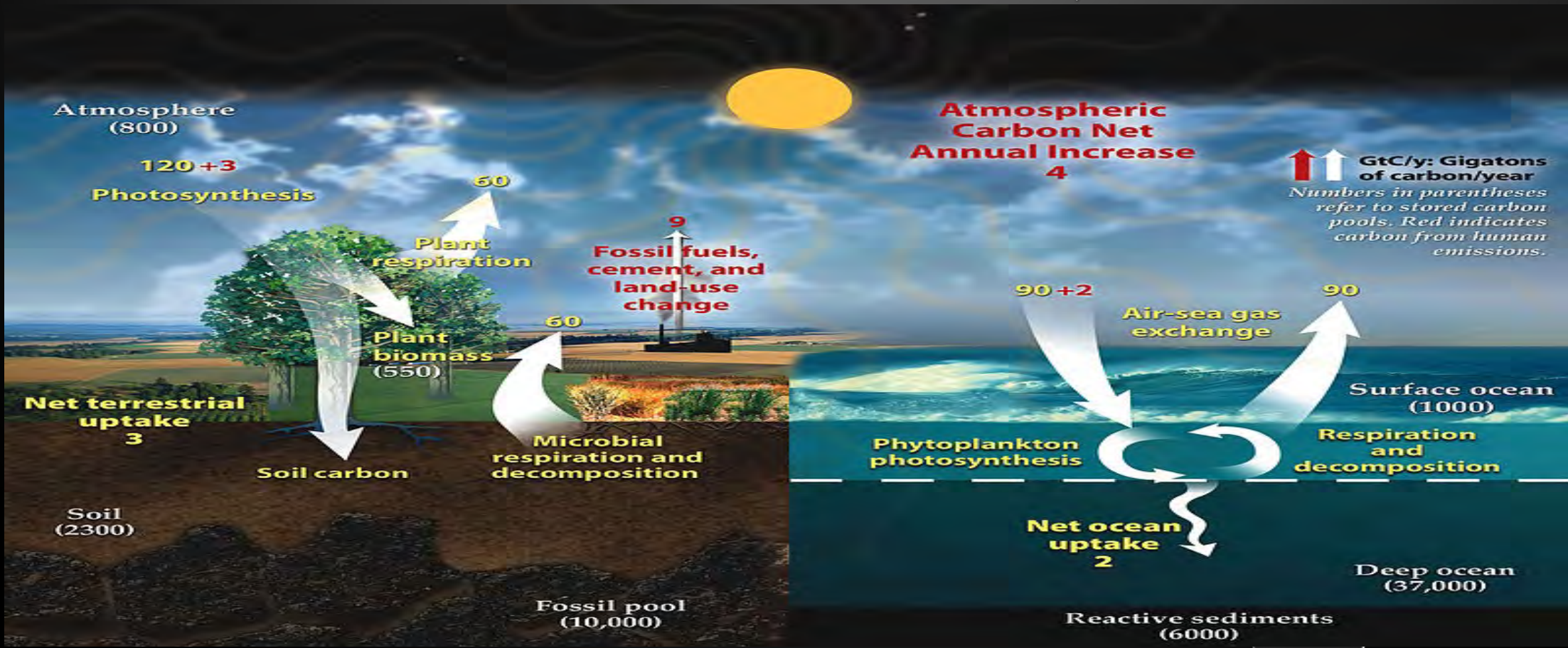
WATER CYCLE.

THE WATER CYCLE OR HYDROLOGIC IS A CONTINUOUS CYCLE WHERE WATER EVAPORATES, TRAVELS INTO THE AIR AND BECOMES PART OF A CLOUD, FALLS DOWN TO EARTH AS PRECIPITATION, AND THEN EVAPORATES AGAIN. THIS REPEATS AGAIN AND AGAIN IN A NEVER-ENDING CYCLE. WATER KEEPS MOVING AND CHANGING FROM A SOLID TO A LIQUID TO A GAS, OVER AND OVER AGAIN.



CARBON CYCLE.

THE CARBON CYCLE IS THE BIOGEOCHEMICAL CYCLE BY WHICH CARBON IS EXCHANGED AMONG THE BIOSPHERE, PEDOSPHERE, GEOSPHERE, HYDROSPHERE, AND ATMOSPHERE OF THE EARTH. ALONG WITH THE NITROGEN CYCLE AND THE WATER CYCLE, THE CARBON CYCLE COMPRISES A SEQUENCE OF EVENTS THAT ARE KEY TO MAKE THE EARTH CAPABLE OF SUSTAINING LIFE; IT DESCRIBES THE MOVEMENT OF CARBON AS IT IS RECYCLED AND REUSED THROUGHOUT THE BIOSPHERE, INCLUDING CARBON SINKS.



LIST OF MATERIAL.

CONTAINER.

ACTIVATED CHARCOAL PIECES.

POTTING SOIL.

GLOVES.

TERRARIUM PLANTS.

SHEET MOSS.

WATERING CAN.

TROWEL.

HEALTH AND SAFETY.

☐ MAKE SURE THE JUG OR ANYTHING TO DO WITH GLASS IS SAFELY PUTTED IN SOMEWHERE SAFE.