Biology 1

***Organism Interactions Activity***

Background Information Table:

|  |  |  |
| --- | --- | --- |
| Organism | Picture | Facts |
| Jaguar | http://upload.wikimedia.org/wikipedia/commons/thumb/d/d5/Jaguar_tier_2.jpg/220px-Jaguar_tier_2.jpg | Food: mammals, snakes, amphibians Water: drink from ponds, streamsShelter/Support/Transportation: rest on the branchesof large trees |
| Kapok Tree | http://upload.wikimedia.org/wikipedia/commons/thumb/2/23/Kapok_tree_Honolulu.jpg/220px-Kapok_tree_Honolulu.jpg | Food: SunlightWater: Absorbed from ground and airTransportation: bats transport pollen to flowers to aid reproduction |
| Strangler Fig Tree | http://upload.wikimedia.org/wikipedia/commons/thumb/4/46/Ficus_watkinsiana_on_Syzygium_hemilampra-Iluka.jpg/210px-Ficus_watkinsiana_on_Syzygium_hemilampra-Iluka.jpg | Food: Sunlight Transportation: pollen is transported from ground and air by fig wasps seeds dispersed by other trees for bats, bird, or other fruit eating animalsWater: Absorbed Support: support by growing around another species of tree – this slowly kills the tree |
| Botfly | http://upload.wikimedia.org/wikipedia/commons/thumb/b/b5/Horse_Botfly_Imago.png/220px-Horse_Botfly_Imago.png | Food: larvae burrow in skin of large mammals and eat oxygen rich blood leaving holes in the hosts bodyWater: Absorbed from bloodShelter: live in flesh of mammalsTransportation: mosquitoes transport botfly larvae to mammals |
| Red Eyed Tree Frog | http://upload.wikimedia.org/wikipedia/commons/thumb/b/be/Red_eyed_tree_frog_edit2.jpg/220px-Red_eyed_tree_frog_edit2.jpg | Food: small invertebrates (bugs)Water: find water in pools, pondsShelter/Transportation: live in trees, especially on leavesSupport: after mating, red eye tree frogs lay eggs on leaves that hover above water |
| Amoebiod Trophont(single-celled protist) | http://upload.wikimedia.org/wikipedia/commons/thumb/b/b3/Chaos_carolinense.jpg/220px-Chaos_carolinense.jpg | Food: feeds on fish tissue – often causes white spots and illness in fishShelter/Support/Transportation: live in freshwater can be spread by contact between infected fish.  |
| Fig Wasp | File:Blastophaga psenes.jpg | Food: fig seedsShelter: males live entire life inside of figs, females only leave figs in order to find a new fig tolay eggsSupport: female fig wasps lay eggs inside figs |
| Howler Monkey | http://upload.wikimedia.org/wikipedia/commons/thumb/c/c2/Allouataadulto_500px.jpg/170px-Allouataadulto_500px.jpg | Food: herbivores(eat leaves and fruit)Water: drink from streams, poolsShelter/Support/Transportation:  live and travel in trees |
| Bromeliad | Bromeliad3.jpg | Food: Sunlight, nutrients from soil particles Water: Absorbed from airSupport: live on plant structures without harming themTransportation: pollinated by nectar eaters such as bats, insects and hummingbirds; seeds dispersed by birds after eating their fruit |
| Coati | http://upload.wikimedia.org/wikipedia/commons/thumb/f/f7/Nasuanarica1.jpg/120px-Nasuanarica1.jpg | Food: fruits, smaller mammals, occasionally fishWater: drink from streams Shelter/Support/Transportation: pools live on the ground and in trees |
| Harpy Eagle | http://upload.wikimedia.org/wikipedia/commons/thumb/3/3b/Harpia_harpyja_001_800.jpg/220px-Harpia_harpyja_001_800.jpg | Food: fruits, smaller mammals, occasionally fishWater: streams, ponds, poolsShelter/Support: nest in trees |
| Jabiru stork | http://upload.wikimedia.org/wikipedia/commons/thumb/d/d9/JabiruStorkBelize.JPG/225px-JabiruStorkBelize.JPG  | Food: eat fish, frogs, and snakesWater: streams, ponds, poolsShelter/Support: nest in trees |
| Hummingbird  | http://upload.wikimedia.org/wikipedia/commons/thumb/1/16/Archilochus-alexandri-002-edit.jpg/220px-Archilochus-alexandri-002-edit.jpg | Food: nectar Water: drink from streams, poolsShelter/Support: nest in trees |
| Fruit bat | http://upload.wikimedia.org/wikipedia/commons/thumb/8/80/Kalong-drawing.jpg/250px-Kalong-drawing.jpg | Food: fruitsWater: drink from streams, poolsShelter: caves, overhangs, trees |
| Vampire bat | http://upload.wikimedia.org/wikipedia/commons/thumb/3/3f/Desmodus.jpg/250px-Desmodus.jpg | Food: feed on Water: drinks blood from live from streams, mammals ponds(does not kill host)Shelter: caves, overhang |
| Fishing bats | http://upload.wikimedia.org/wikipedia/commons/thumb/3/3c/Captive_Noctilio_leporinus.jpg/220px-Captive_Noctilio_leporinus.jpg | Food: fishWater: drink from streams, poolsShelter: caves, overhangs trees |
| Hummingbird moth  | http://upload.wikimedia.org/wikipedia/commons/thumb/2/2a/Hemaris_diffinis.JPG/220px-Hemaris_diffinis.JPG | Food: leaves (caterpillars), nectar (moths)Water: puddles, and in nectarShelter: thick foliage in bushes and trees |
| Boa Constrictor | http://upload.wikimedia.org/wikipedia/commons/thumb/a/a7/Boa_constrictor_%282%29.jpg/220px-Boa_constrictor_%282%29.jpg | Food: small to medium mammals, birds, reptiles and amphibiansWater: drinks from streams, pools, and possibly bromeliadsShelter/Transportation: lives and travels in trees |
| Mosquito | http://upload.wikimedia.org/wikipedia/commons/thumb/d/dc/Mosquito_2007-2.jpg/220px-Mosquito_2007-2.jpg | Food: feeds on the blood of mammals, birds or amphibiansShelter/Transportation/: lays eggs in moist areas with pools of water capable of flying to find food |
| Freshwater Fish |  | Food: frog eggs, small invertebrates, aquatic plantsShelter/Transportation/Support: live in ponds, pools, streams  |

Biology 1 Name:

***Organism Interactions Activity***  Name:

Date:

Hour:

Interaction Identification Table:

Find two organisms whose interaction is defined as the given term. Write a “+” in the results column if the result of the interaction is beneficial to that organism. Write a “-” in the results column if that organism is harmed by the interaction. You may not use an organism twice within the same interaction category.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Organism A | Organism A Results | Organism B | Organism B Results | Interaction |
|  |  |  |  | Predator/Prey |
|  |  |  |  | Predator/Prey |
|  |  |  |  | Predator/Prey |
|  |  |  |  | Predator/Prey |
|  |  |  |  | Parasitism |
|  |  |  |  | Parasitism |
|  |  |  |  | Parasitism |
|  |  |  |  | Mutualism |
|  |  |  |  | Mutualism |
|  |  |  |  | Mutualism |
|  |  |  |  | Commensalism |
|  |  |  |  | Commensalism |
|  |  |  |  | Commensalism |
|  |  |  |  | Competition |
|  |  |  |  | Competition |
|  |  |  |  | Competition |