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](http://en.wikipedia.org/wiki/File:Jaguar_tier_2.jpg) | Food: mammals, snakes, amphibians  Water: drink from  ponds, streams  Shelter/Support/  Transportation: rest  on the branches  of large trees |
| Kapok Tree | [http://upload.wikimedia.org/wikipedia/commons/thumb/2/23/Kapok_tree_Honolulu.jpg/220px-Kapok_tree_Honolulu.jpg](http://en.wikipedia.org/wiki/File:Kapok_tree_Honolulu.jpg) | Food: Sunlight  Water: Absorbed  from ground and air  Transportation:  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](http://en.wikipedia.org/wiki/File: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 animals  Water: 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](http://en.wikipedia.org/wiki/File:Horse_Botfly_Imago.png) | Food: larvae burrow in skin of large mammals and eat oxygen rich blood leaving holes in the hosts body  Water: Absorbed from blood  Shelter: live in flesh of mammals  Transportation: 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](http://en.wikipedia.org/wiki/File:Red_eyed_tree_frog_edit2.jpg) | Food: small invertebrates (bugs)  Water: find water in pools, ponds  Shelter/Transportation: live in trees, especially on leaves  Support: 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](http://en.wikipedia.org/wiki/File:Chaos_carolinense.jpg) | Food: feeds on fish tissue – often causes white spots and illness in fish  Shelter/Support/Transportation: live in freshwater can be spread by contact between infected fish. |
| Fig Wasp | [File:Blastophaga psenes.jpg](http://upload.wikimedia.org/wikipedia/commons/f/f2/Blastophaga_psenes.jpg) | Food: fig seeds  Shelter: males live  entire life inside of  figs, females only  leave figs in order  to find a new fig to  lay eggs  Support: 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](http://en.wikipedia.org/wiki/File:Allouataadulto_500px.jpg) | Food: herbivores  (eat leaves and fruit)  Water: drink from  streams, pools  Shelter/Support/  Transportation:  live and travel  in trees |
| Bromeliad | [Bromeliad3.jpg](http://en.wikipedia.org/wiki/File:Bromeliad3.jpg) | Food: Sunlight, nutrients from soil particles  Water: Absorbed from air  Support: live on plant structures without harming them  Transportation: 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](http://en.wikipedia.org/wiki/File:Nasuanarica1.jpg) | Food: fruits, smaller mammals, occasionally fish  Water: 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](http://en.wikipedia.org/wiki/File:Harpia_harpyja_001_800.jpg) | Food: fruits,  smaller mammals,  occasionally fish  Water: streams,  ponds, pools  Shelter/Support:  nest in trees |
| Jabiru stork | [http://upload.wikimedia.org/wikipedia/commons/thumb/d/d9/JabiruStorkBelize.JPG/225px-JabiruStorkBelize.JPG](http://en.wikipedia.org/wiki/File:JabiruStorkBelize.JPG) | Food: eat fish,  frogs, and snakes  Water: streams,  ponds, pools  Shelter/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](http://en.wikipedia.org/wiki/File:Archilochus-alexandri-002-edit.jpg) | Food: nectar Water: drink from streams, pools  Shelter/Support:  nest in trees |
| Fruit bat | [http://upload.wikimedia.org/wikipedia/commons/thumb/8/80/Kalong-drawing.jpg/250px-Kalong-drawing.jpg](http://en.wikipedia.org/wiki/File:Kalong-drawing.jpg) | Food: fruits  Water: drink from streams, pools  Shelter: caves, overhangs, trees |
| Vampire bat | [http://upload.wikimedia.org/wikipedia/commons/thumb/3/3f/Desmodus.jpg/250px-Desmodus.jpg](http://en.wikipedia.org/wiki/File: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](http://en.wikipedia.org/wiki/File:Captive_Noctilio_leporinus.jpg) | Food: fish  Water: drink from  streams, pools  Shelter: caves,  overhangs trees |
| Hummingbird moth | [http://upload.wikimedia.org/wikipedia/commons/thumb/2/2a/Hemaris_diffinis.JPG/220px-Hemaris_diffinis.JPG](http://en.wikipedia.org/wiki/File:Hemaris_diffinis.JPG) | Food: leaves (caterpillars), nectar (moths)  Water: puddles, and in nectar  Shelter: 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](http://en.wikipedia.org/wiki/File:Boa_constrictor_(2).jpg) | Food: small to medium mammals, birds, reptiles and amphibians  Water: drinks from streams, pools, and possibly bromeliads  Shelter/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](http://en.wikipedia.org/wiki/File:Mosquito_2007-2.jpg) | Food: feeds on the blood of mammals, birds or amphibians  Shelter/Transportation/: lays eggs in moist areas with pools of water capable of flying to find food |
| Freshwater Fish |  | Food: frog eggs, small invertebrates, aquatic plants  Shelter/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 |