| Name | Date: | Hour: |
|---|---|-------------------------------------|
| | GOOD BUDDIES ACTI | VITY |
| On the line, identify the type of COMMENSALISM, and PARASIT | | ship. The three types are MUTUALISM |
| come. Flies move from one skunkco Does the Skunkcabbage p | abbage plant to the next feed lant benefit from the fly's o n the Skunkcabbage plant's o | |
| he robin's next, and leave. Robin l Does the cuckoo bird bend | babies die and robin parents t efit from the robin's actions om the cuckoo's actions? | |
| the fungi. The Mycorrhizal fungi h soil. Some mycorrhizal fungi also s parasitic fungi and bacteria. Does the Mycorrhizal fung | n or among roots cells of man nelp the host plant absorb ino secrete antibiotics which may gi benefit from the tree's a om the fungi's actions? | |
| rurtles, or large fish. The SHARK which the remora feeds on. The ho Does the Remora benefit | provides free transportation ost is not injured. from the shark's actions? com the Remora's actions? | |
| cracked skin which can become inf Does the Athlete's foot f | skin of humans and feeds on fected. ungi benefit from the human rom the Athlete's foot fung | |

SNAPPING SHRIMP/GOBY FISH

Snapping shrimp have poor vision and depend on their goby fish roommate to give the danger signal when predators come and guide them back home if they wander too far. Goby fish that don't have a place to hide are quickly eaten. They find a snapping shrimp roommate who digs a hole for both to live in.

Does the Snapping shrimp benefit from the Goby's actions? YES NO
Does the Goby benefit from the Snapping shrimp's actions? YES NO
Is either harmed? YES NO

SNAIL/HERMIT CRAB

Hermit crabs find shells left by snails that have died and move in. Snails die and leave behind their shells.

Does the hermit crab benefit from the snail's actions? YES NO

Does the snail benefit from the hermit crab's actions? YES NO

Is either harmed? YES NO

HONEYGUIDE BIRD/HONEY BADGER

Honeyguide birds find a beehive, then chatter loudly to attract the Honey badger. They fly toward the hive making sure the badger is following. Upon arrival at the bee hive, the badger tears open the hive and feasts on the honey. Then the Honeyguide bird feeds on the remaining wax and larvae.

Does the Honeyguide bird benefit from the badger's actions? YES NO

Does the badger benefit from the Honeyguide bird's actions? YES NO

Is either harmed? YES NO

ALGAE/FUNGI FORM A LICHEN

Fungi form lichens by living in a close relationship with an algae. The fungus provides a protective home for the algae, and gathers mineral nutrients from rainwater and from dissolving the rock underneath. The algae gathers energy from the sun using photosynthesis. Both organisms share their nutrients with each other.

Does the algae benefit from the fungi's actions? YES NO

Does the fungi benefit from the algae's actions? YES NO

Is either harmed? YES NO

KUDZU/TREE

Kudzu vines grow by climbing, and wrapping around trees. Kudzu covered trees die as they are smothered and break under the weight of the growing Kudzu vines.

Does the Kudzu benefit from the tree's actions? YES NO
Does the tree benefit from the Kudzu's actions? YES NO
Is either harmed? YES NO

BACTERIA/HUMAN INTESTINE

Human intestine provides food for bacteria that live inside digestive system. Beneficial bacteria live in the intestine of humans help digest cellulose from plants which humans don't have the enzymes to break down.

| Does the bacteria benef | it from the human's actions? | YES NO | |
|-------------------------|------------------------------|--------|---------------------------------------|
| Does the human benefit | from the bacteria's actions? | YES NO | |
| Is either harmed? YES | NO _ | | · · · · · · · · · · · · · · · · · · · |

GALL INSECT/OAK TREE

The gall insect lays their eggs in the leaves of branches of Oak trees causing a lump to form. Oak trees provide shelter and food to the insect larvae, but are not harmed.

Does the Gall insect benefit from the Oak tree's actions? YES NO

Does the Oak tree benefit from the Gall insect's actions? YES NO

Is either harmed? YES NO

HUMMINGBIRD/FLOWER

Hummingbirds feed on nectar from flowers. Flowers are pollinated by hummingbirds as they move from flower to flower.

Does the hummingbird benefit from the flower's actions? YES NO

Does the flower benefit from the hummingbird's actions? YES NO

Is either harmed? YES NO

TICK/DOG

Tick lives on dog and feeds on its blood and tissue. Dog gets skin irritation and can pick up diseases carried by the tick.

Does the tick benefit from the dog's actions? YES NO

Does the dog benefit from the tick's actions? YES NO

Is either harmed? YES NO

SKUNK/WOODCHUCK

Skunks often live in burrows that have been dug and abandoned by woodchucks. Woodchucks abandon holes which are later used by skunks.

Does the skunk benefit from the woodchuck's actions? YES NO

Does the woodchuck benefit from the skunk's actions? YES NO

Is either harmed? YES NO

This activity was modified from the Project Wild K-12 Activity guide by Kelly Riedell for Biology students at Brookings High School.