Symbiosis Practice Worksheet

 NAME \_\_\_\_\_KEY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TYPES OF SYMBIOSIS**

There are 3 basic types of symbiosis. Don’t forget that symbiosis is the relationship between two organisms of different species that benefit one or both organisms.

**M- Mutalism:** a symbiotic relationship that benefits both organisms involved

**C- Commensalism**: a symbiotic relationship that benefits one organism and the other is not helped or harmed.

**P-Parasitism:** a symbiotic relationship that benefits one organism and the other is harmed.

Complete the chart:

|  |  |  |
| --- | --- | --- |
| Interaction | Effect on Organism #1 | Effect on Organism #2 |
| Mutualism (M) | Helps/Harms/No Effect | Helps/Harms/No Effect |
| Commensalism (C) | Helps /Harms/No Effect | Helps /Harms/No Effect |
| Parasitism (P) | Helps /Harms/No Effect | Helps /Harms/No Effect |

Directions:

Put the letter M, C, P by the statement that best describes the type of symbiosis.

\_\_P\_\_ 1. A tick living on a dog and taking its blood for food.

\_\_P\_\_ 2. A tapeworm living inside a cow and absorbing the cow’s nutrients for food.

\_\_C\_\_ 3. A bird building a nest in a tree.

\_\_C\_\_ 4. Orchids growing in tall canopy trees to get sunlight.

\_\_C\_\_ 5. Bacteria living on human skin.

\_\_M\_\_ 6. Bees use a flower’s nectar for food, and they carry a flower’s pollen to other

 flowers, allowing flowers to reproduce.

\_\_M\_\_ 7. Bacteria living in the intestine of a cow to help it break down cellulose (fiber).

\_\_M\_\_ 8. A seventh grader and its pet.

\_\_M\_\_ 9. A lichen, a close relationship between a fungus providing water and place to live

 while alga provides food.

\_\_M\_\_ 10. Clownfish living in a sea anemone getting food from anemone and keeping sea

 anemone clean.

\_\_P\_\_ 11. Dutch elm disease has caused mass destruction of elms. The fungus feeds on

 materials produced by the elm trees.

\_\_C\_\_ 12. Small mites live on your skin, eating dead skin cells.

\_\_M\_\_ 13. Crabs try to get a sea anemone to attach to its shell. The crabs drive away seastars

 that would eat the anemone and the anemone drives away octopi that would eat the crabs.

\_\_P\_\_ 14. A wasp stings a spider and takes it to its nest where it lays an egg on the spider.

The egg hatches into a larva and the larva eats the spider as a source of food.