

## Symbiosis Personal Ads

### The Problem:

A mix-up has occurred in the printing room of the famous newspaper, *Ecology Times*. The folder of Personal Ads dropped on the floor and they are no longer organized by category. In each advertisement organisms are in search of a partner for a specific symbiotic relationship.

### The Solution:

After reading each description, place the number assigned to each advertisement in the appropriate column of the table so that the newspaper can run the ads under the correct headings.

The Ecology Times: Symbiotic Relationships Needed

Mutualism	Commensalism	Parasitism
1, 3	4, 6, 7	2, 5, 8

1

I am an **Aphid**, also known as a greenfly. I am a small insect that sucks fluids from the phloem of living plants with my piercing mouthparts. I extract a certain amount of sugar and nutrients from this fluid, but much is transformed into a sticky substance that I emit through my anus. Certain **ants** like this fluid and they use me as a type of farm animal, even carrying me to other plants. (Whatever I extract from a plant I secrete. Whatever I secrete is used as ant food.) If you're my kind of ant please call, I need protection and I love to travel.

2

I am a **sea lamprey** and I am an invasive aquatic species that arrived in The Great Lakes in the 1800's. I love it here because I have virtually no predators and there are lots of "fish in the sea". I have a disc-like mouth that I use to attach to my victim of love. Once attached to a fish I scrape away the tissue and extract blood and body fluids. I am considered to be a pest organism but I'm a sucker for a pretty fish – call me!

3

I am a **cardinal** that loves raspberries. The fruit is good nutrition for me but I can't digest the seeds. I excrete the seeds of the berries I eat and help the **raspberry bushes** reproduce. If you are loaded with ripe berries, it would be sweet if we could meet.

4

Some barnacles attach themselves to rocks or boats but I am lucky live on a whale. Quite honestly I don't think the whale knows that my friends and I are even here. If you are a barnacle looking for love, join me on this beautiful creature. You will be transported to new sources of food which is perfect for us filter feeders.

5

Consider me an "Edward" looking for his "Bella". I am a misunderstood mosquito that wants to feed off your blood. Once bitten you will experience a reaction that involves itching. It is possible that you may contract a disease such as Malaria but your desire to be my snack should make you want to take the risk...

6

Hey ladies, I am a Pilotfish – also known as a man who loves danger. I swim with sharks! When the big boys feed I quickly clean up the scraps. The shark could care less and I am able to buy dinner at no charge. If you'd dare to dine with me, give me a buzz.

7

I am an epiphyte, better known as an "air plant". I live in the tops of trees in the tropics. I do not require soil and I do not harm the tree I live in. I love being close to the sun and I am looking to improve my tree apartment. If you are tall, leafy and handsome, please let me move in!

8

Looking for a great diet plan? I am your worm! I am a tapeworm and I would love to live in your intestinal tract. Whatever you eat will digested by you but absorbed by me. You will drop pounds in no time – hello skinny jeans! (side effects may include anemia, muscle loss, or organ failure...)