

# Candy Cladograms

Name:  
Period:  
Date:

**Objective:** Use various types of candy to make your own cladogram.

**Materials:** Sweet tarts, Dots, Sour Patch Kids, and Mike and Ike

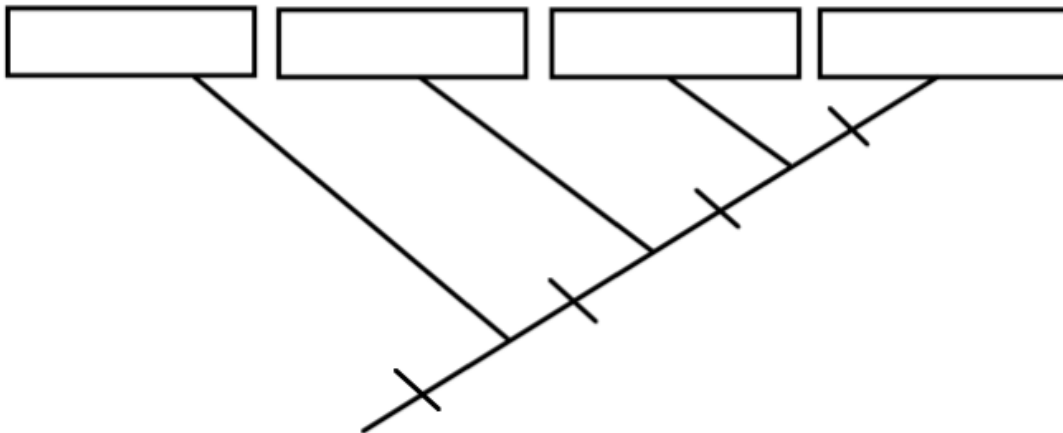
## Part 1 Procedures:

1. Look at your candy in your bag. Start figuring out what certain candies have in common.
2. Fill out the chart below to help you set up your cladogram. Use checkmarks if the candy fits the description.

## Data:

	Candy?	Smooth?	All Green?	Candy coated?
Sour Patch				
Mike & Ike				
Sweet Tarts				
Dots				

## Cladogram:



## Part 1 Questions:

1. According to your cladogram, which type of candy is most closely related to dots?  
\_\_\_\_\_
2. Which two types of candy are the least related?  
\_\_\_\_\_
3. According to your cladogram, which trait makes Mike & Ike's and Sweet Tarts different from each other?  
\_\_\_\_\_

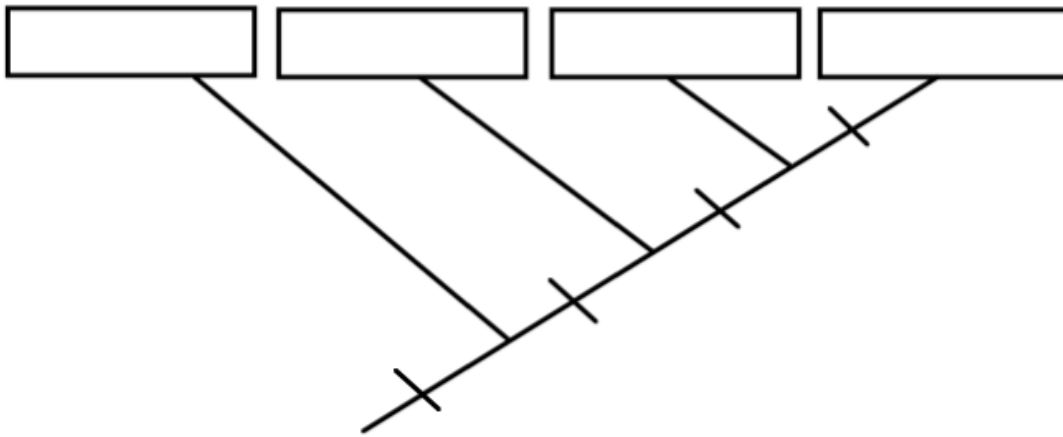
**Part 2 Procedures:**

1. This time create your own cladogram. You cannot use any of the traits from part 1 (smooth, sphere, etc.) You must come up with your own!
2. Fill out the data table with your new traits and complete the cladogram below.

**Data:**

<b>Sour Patch</b>				
<b>Mike &amp; Ike</b>				
<b>Sweet Tarts</b>				
<b>Dots</b>				

**Cladogram:**



**Part 2 Questions:**

1. According to your cladogram, which type of candy is most closely related to sweet tarts?

\_\_\_\_\_

2. Is your cladogram similar or different to the cladogram in part 1? Explain.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Is it possible to have two different cladograms for the same types of candy? Explain.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_