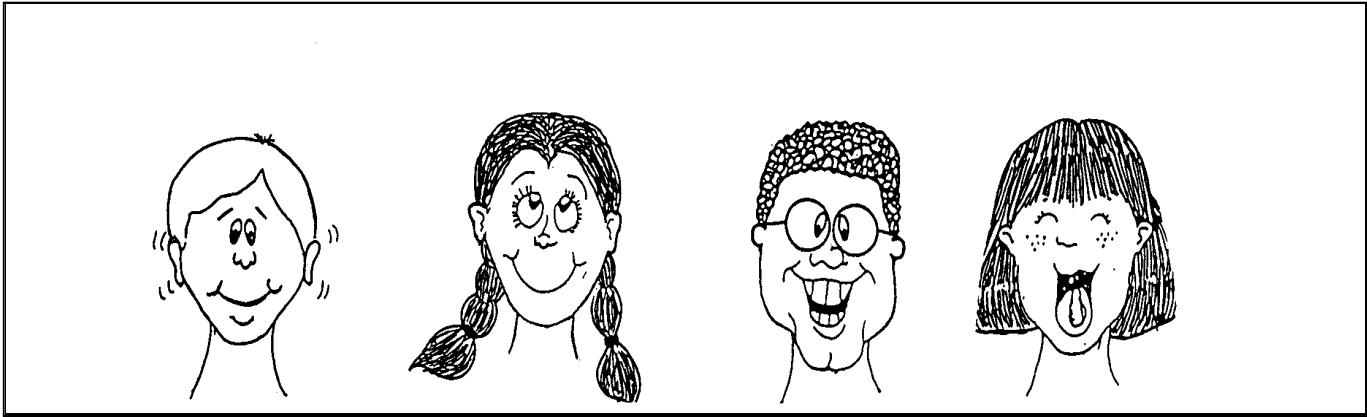


I'm so cool I can **wiggle my ears**

I think my **widow's peak** makes me look special!

My dad says I have a **cleft chin** like my granddad!

I bet no one will be able to **roll their tongue** like I can!



Wiggle, Peak, and Roll

Name _____

1. Check any of the following characteristics that you possess.

Can you _____ Roll or fold up your tongue? _____ Wiggle your ears?

Do you have _____ A Widow's Peak? _____ Freckles? _____ A Cleft Chin?
 _____ Attached Ear Lobes? _____ Unattached Ear Lobes?

2. Why do you think that you possess these characteristic traits?

3. How many people in our class do you think possess these traits? (Question)

Characteristic	Hypothesis	Actual Number	Characteristic	Hypothesis	Actual Number
Can roll their tongues			Can't roll their tongues		
Can wiggle their ears			Can't wiggle their ears		
Has a widow's peak			Doesn't have a widow's peak		
Has freckles			Doesn't have freckles		
Has cleft chin			Doesn't have a cleft chin		
Has attached ear lobes			Has unattached ear lobes		

4. Answer in numerical form how many people fall into each category.

Can roll their tongues _____ Can't roll their tongues _____

Can wiggle their ears _____ Can't wiggle their ears _____

Has a widow's peak _____ Doesn't have a widow's peak _____

Has freckles _____ Doesn't have freckles _____

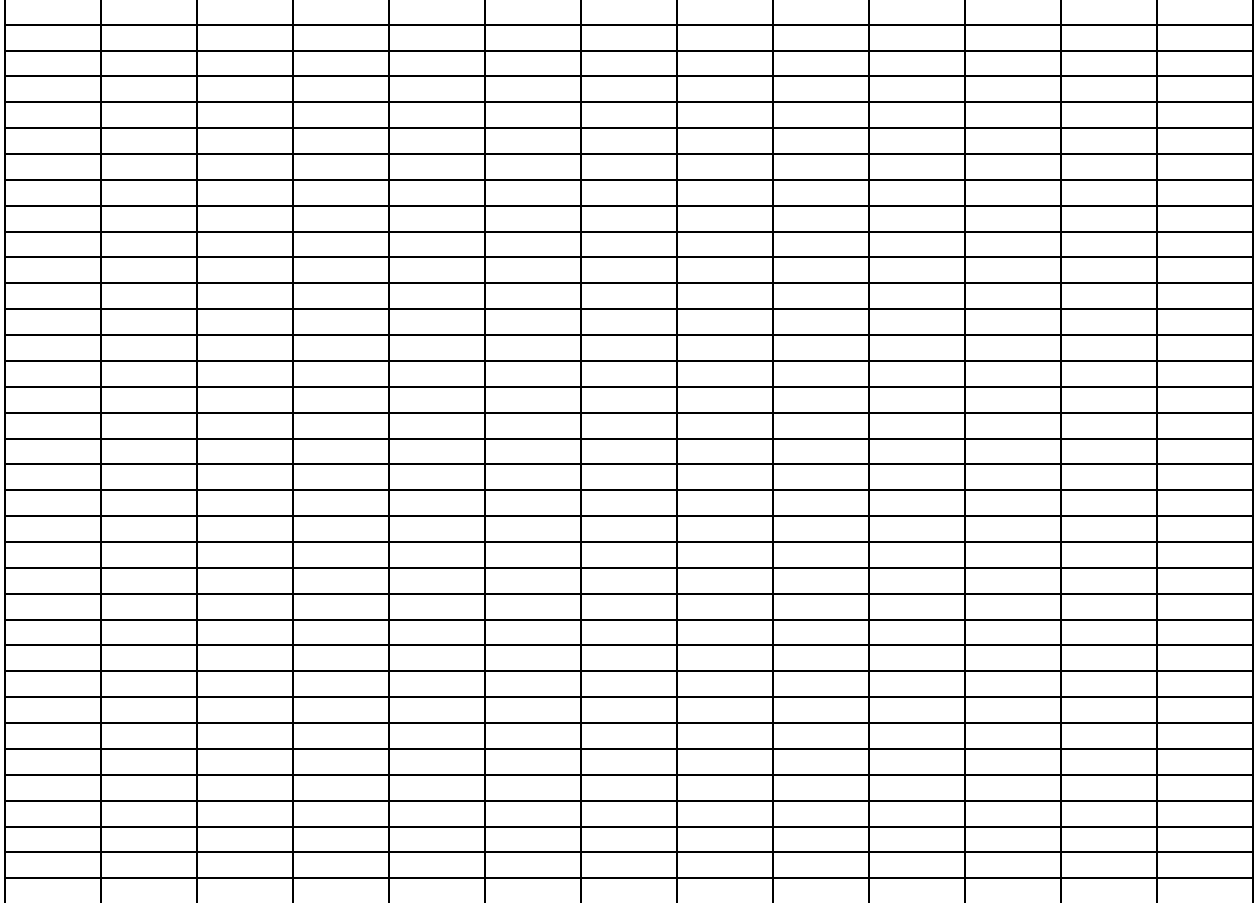
Has cleft chin _____ Doesn't have a cleft chin _____

Has attached ear lobes _____ Has unattached ear lobes _____

Now graph your classroom data. Be sure to give your graph a title, labels, and a scale.

GRAPH PAPER

NAME _____ DATE _____

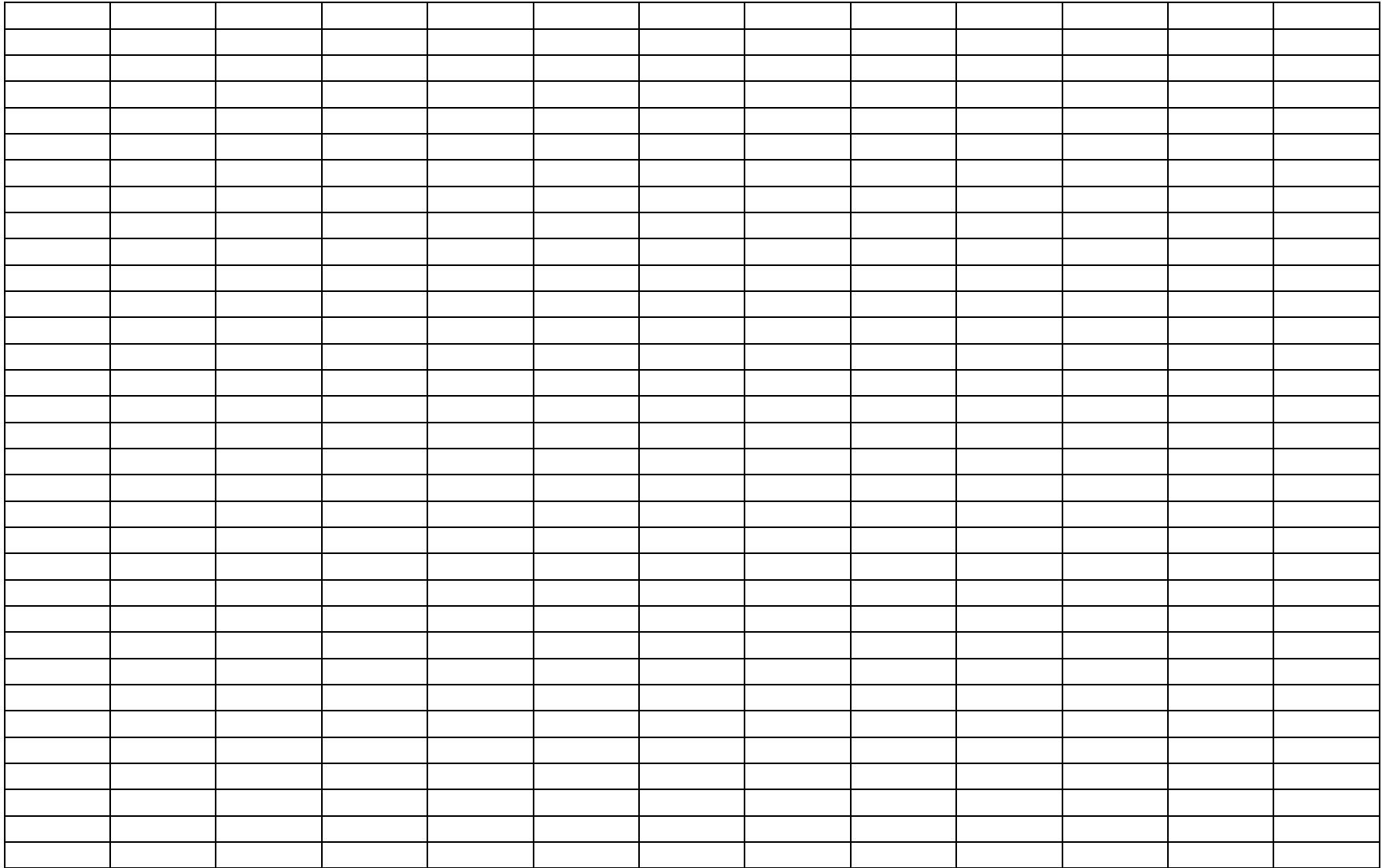


Write two statements about the Classroom Characteristic Traits.

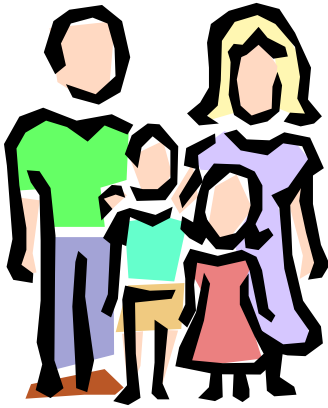
Student Data Collection Sheet

Characteristic	Hypothesis	Actual Number	Characteristic	Hypothesis	Actual Number
Can roll their tongues			Can't roll their tongues		
Can wiggle their ears			Can't wiggle their ears		
Has a widow's peak			Doesn't have a widow's peak		
Has freckles			Doesn't have freckles		
Has cleft chin			Doesn't have a cleft chin		
Has attached ear lobes			Has unattached ear lobes		

Graph Paper



Remember that labeling a title, labels and scale are very important!



The purpose of tonight's homework is for you to perform an experiment which will help you discover what types of inherited characteristics you have and give you an opportunity to place the data you find on a graph.

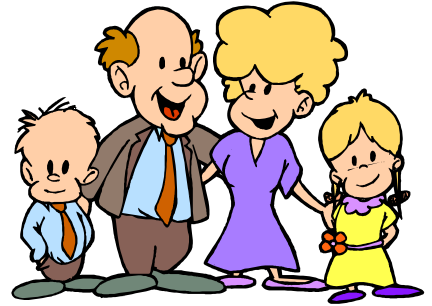
First, like any good scientist, you need to come up with your **question**. You should have one question for each of the inherited characteristics that we studied, plus provide at least ONE other question about an inherited characteristic that we did NOT study. Second, you will need to create a hypothesis to your question.

Question	Hypothesis
Sample: How many of my relatives will have a widow's peak?	Out of 10, 7 will have them. 3 will not.

Third, who will be a part of your experiment? In other words, who are your genetic ancestors who will help you get your answers? _____

**Homework: page
ONE of three**

Below, you will need to create a **data collection sheet** that will help you organize your information.



Finally, you need to graph the data. Remember to add labels, titles, and the scale. Put this on the graph paper next in this packet.

Homework: page TWO of three

