Formal Lab: Take a Class Survey

**Problem**: Are traits controlled by dominant alleles more common than traits controlled by recessive alleles?

**Hypothesis**: I predict that traits controlled by dominant alleles will show up more because looking at the probability you can have a homozygous dominant genotype and a heterozygous genotype and it will express the dominant trait.

**Materials**: Classmates, paper and pencil

**Procedures**:

1. Fill in the procedures
2. We will skip number 3 PTC paper taste test

**Data Table**: Total number of students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Trait 1 | Number | Trait 2 | Number |
| A | Free ear lobes |  | Attached ear lobes |  |
| B | Hair on fingers |  | No hair on fingers |  |
| C | Widow’s peak |  | No widow’s peak |  |
| D | Curly hair |  | Straight hair |  |
| E | Cleft chin |  | Smooth chin |  |

**Analysis Questions**:

1. Answer 1 and 2

**Conclusion MEAL**

You will answer question number 3 “Think About It”

M: Answer the prompt question

E: Provide the evidence that supports your choice

A: Explain how the evidence supports your reasoning

L: Tie everything back to the prompt question “Link it up”