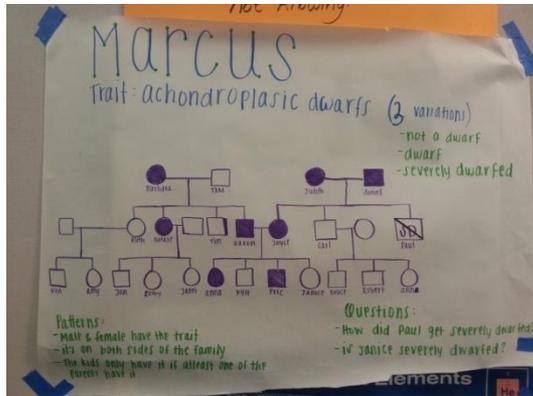


Welcome to Horton Biology



Please Seat Yourself
Alphabetically
(by Your Last Name)

Course Syllabus

- Please read through the Syllabus
- Homework:
 - 1. Finish reading the syllabus and have your parent or guardian also read the syllabus.
 - 2. Sign the signature page. This is a contract!
 - Due Tuesday 8-25-15
- *When you sign the signature page you are stating that you understand and will uphold the responsibilities in the contract.
- Ask questions if you are unclear about any part of the syllabus.

Student Handbook

- Period 1- Pages 1-4
- Period 2- Pages 5-8
- Period 3- Pages 9-12
- Period 5- Pages 17-20
- Period 6 – Pages 21-24
- [Lincoln High School Student Handbook](#)

Mind Set



This Is Not School As Usual



Mind Set

We all have the capacity to grow and learn.

You are expected to:

Be Respectful

Talk, Discuss, even Respectfully Argue at times

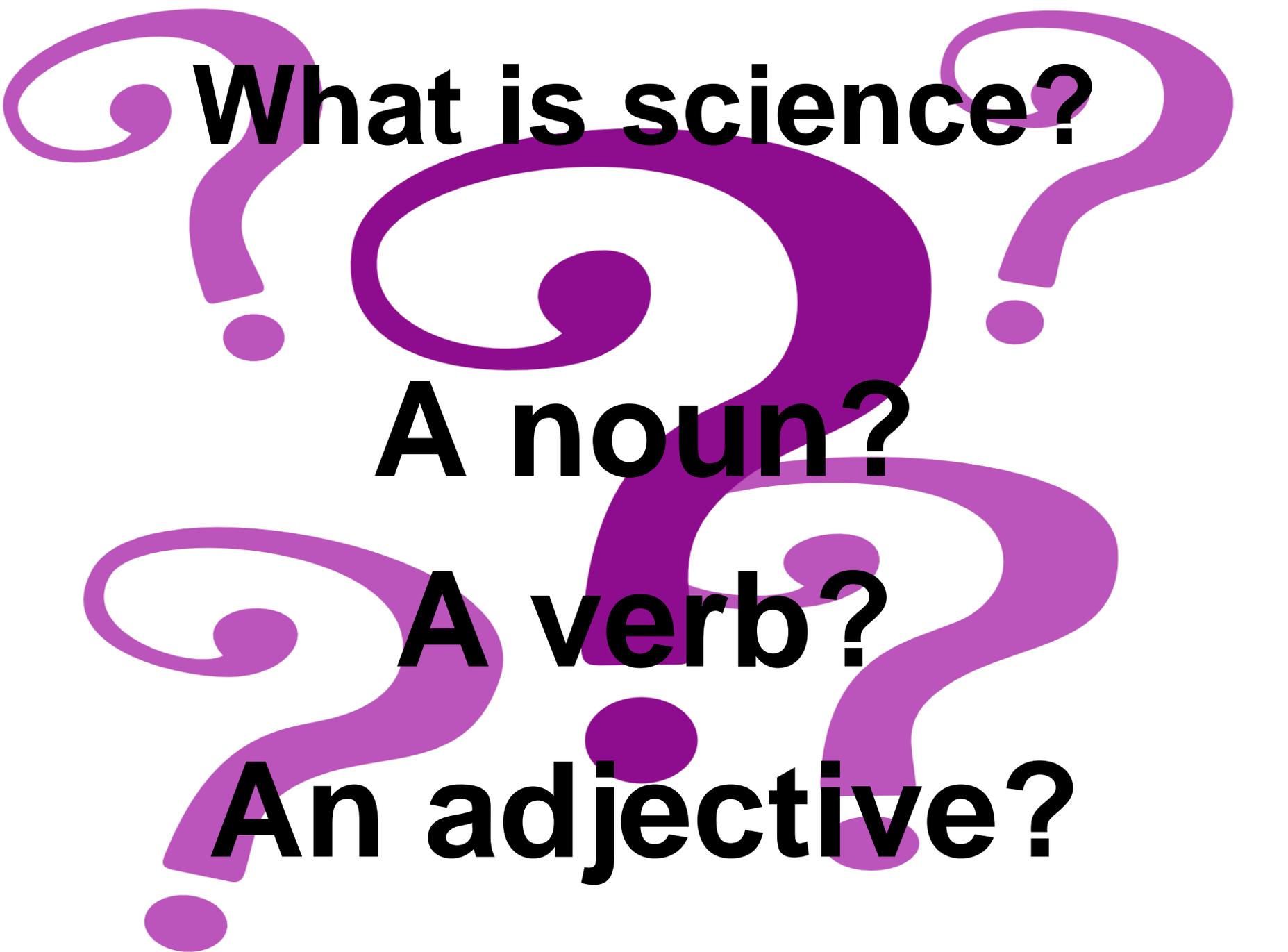
Be Safe

Move around

Write without worrying about spelling and punctuation

Observe, investigate

Be Responsible



What is science?

A noun?

A verb?

An adjective?



Science is a verb



**“A method/process
of finding answers
to questions”**





Science is

**“a progress report of
where we are today.”**

Dr. Lanny H. Fisk, PhD, PG



Phenomenon



What do you notice ?



With you A/B or C/D
Partner.....

**Discuss the most
exciting thing you
did this summer.**

Scavenger Hunt

- With a Partner, hunt around the room to find all the items on your scavenger hunt, filling in the blanks to provide evidence of your find.
- When you are finished return to your seat
- You have 27 minutes,

GO



Science Autobiography

- I Have always been fascinated with science
- Graduated from UC Davis with a BS in Animal Science with a Specialty in Aquaculture
- Work my way up to assistant manager in charge of Chinook and Coho at Hidden Falls Hatchery in Alaska
- For 7 years sailed the Pacific Ocean, traveling to many lands
- Returned to California, earned a secondary science teaching credential, then a masters in education, and work on my farm



Before setting off on an extended sailing trip, my husband and I were assistant managers at an Alaskan salmon hatchery



S/V Freya tied up at the Chinook saltwater net pens.
Alaskan Seiners dwarf our small vessel.



Hida Longhouse in the Queen Charlotte Islands



Boat work is not always easy!

But the rewards are worth it

Glacier Bay,
Alaska 1997













WELCOME TO YASUR VOLCANO









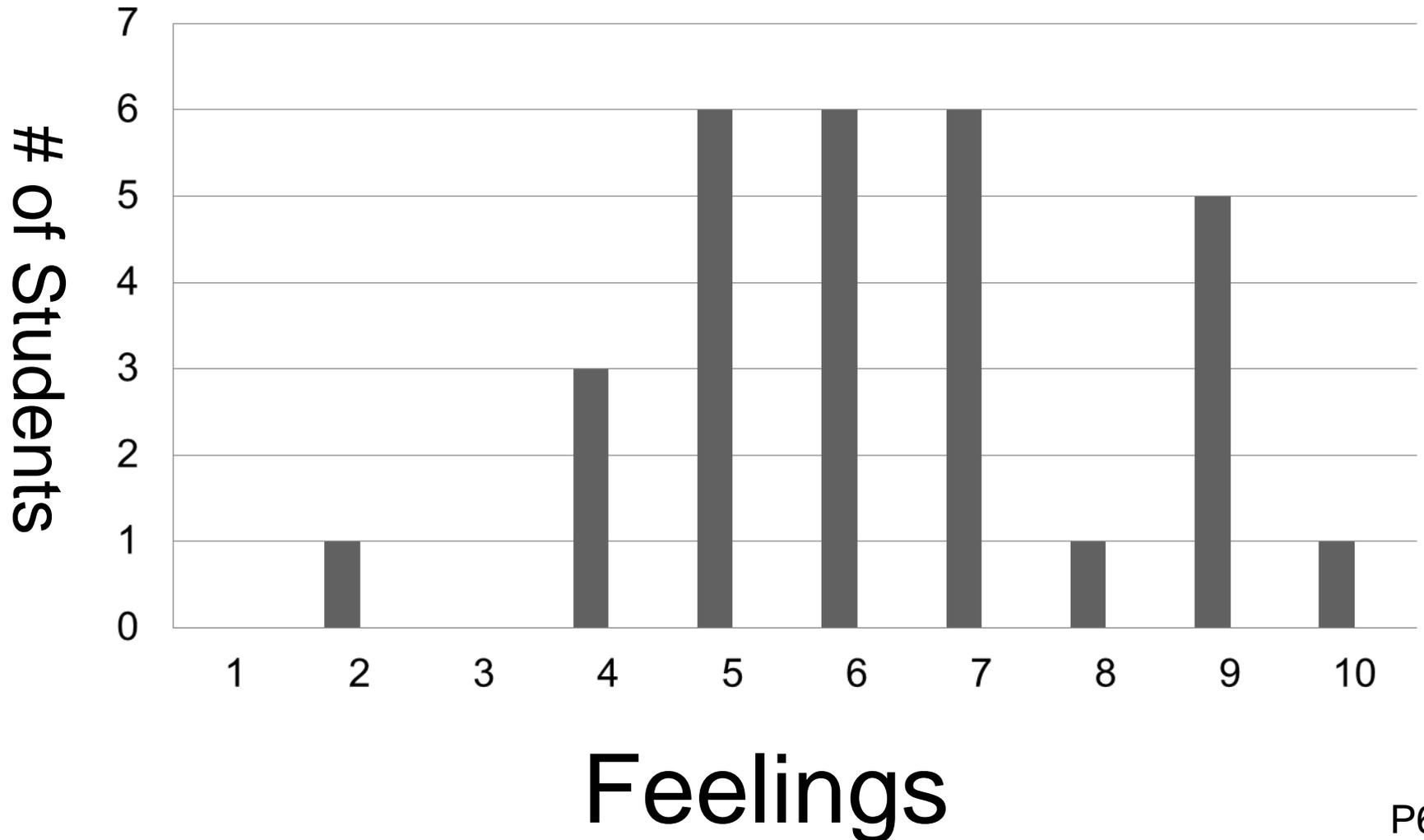








Feelings about Science



Fill in your quadrants.

Find someone with

The same birthday
month as you

Birthday Partner

The same type of pet
as you. Can include
not having a pet.

Pet Partner

The same interest
in music as you

Music Partner

The same sports
interest as you

Sports Partner

Write your partners name in the corresponding quadrant
In the end you have 4 different names

Binder Set-Up

- Resources
 - Syllabus
 - Safety contract
 - Biology Glossary
 - 4 Seasons

Hypothesis

A tentative explanation

A statement that can be tested

A statement that **may lead** to a prediction

May guide an investigation

A hypothesis is **not**
a prediction nor
an educated guess

Not all investigations begin with a hypothesis

Scientific Theories

Theories are inferred explanations, that are strongly supported by evidence.

They have been tested many times.

Scientific Theory

Theories include observations

Theories have been tested many times

Theories are inferred explanations, strongly supported by evidence

Theories are used to make predictions

Theories are based on related observations of phenomena

Caution Word

Doing Science

Observing phenomenon and asking questions

Science Models

a set of ideas to explain a phenomena

Observations

observing and collecting data

Scientific Method

a tool used to test an idea

Scientific Models

A set of Ideas to help explain a phenomena

Scientific Models are

simple

based on meaningful data and patterns

used to make predictions

plausible (realistic)

A model should not be judged on “right” or “wrong”, but how well it fits the criteria

Is there only one way scientists
“do” science?

Absolutely Not



Science is about answering questions, and
scientists use different methods to answer
different questions

