Scroll Down to See Each NB Page

Purpose for Learning

Stewardship is the careful & responsible management of something entrusted to one's care

↓

We impact our environment- and it impacts us!

↓

Our choices Matter!

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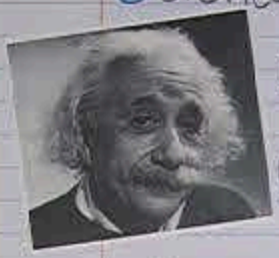
Science & Engineering Practices



1. Ask Questions & Define Problem
2. Develop & Use Models
3. Plan & Carry Out Investigations
4. Analyze & Interpret Data
5. Use Math & Computational Thinking
6. Construct Explanations & Design Solutions
7. Engage in Argument from Endence
8. Obtain, Evaluate & Communicate Info

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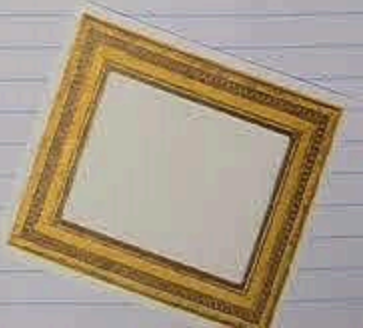
Cross Cutting Concepts

1. Patterns
2. Cause & Effect
3. Scale, Proportion & Quantity
4. Systems & System Models
5. Energy & Matter
6. Structure & Function
7. Stability & Change



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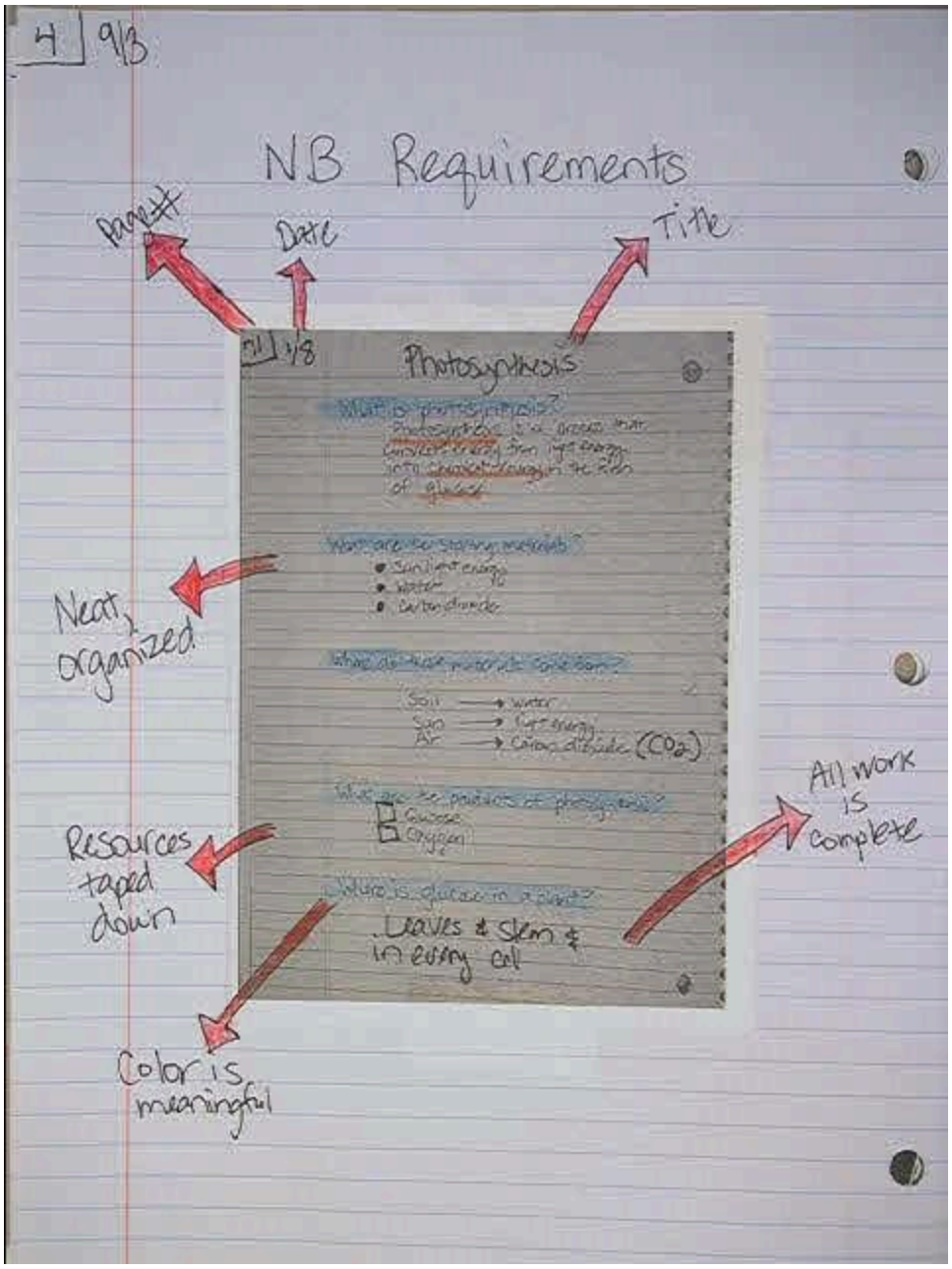
NB Requirements



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NB Scoring

NB Owner: _____ Per ____ Peer Edited By: _____

NB CHECK #3 Pgs 57-76 Water Matters

Peer Editor. Give points if the criteria is met. Place a 0 if the criteria is partially/not met. Be honest. Page	Title	Title, Page # and Date (1 point)	ALL required work for the page (5 points)	Neat & Organized, Legible & resources taped down (1 point)	Meaningful color to organize info (1 point)
57	Physical or Chemical	1	5	1	1
58	SPONCH	0	5	1	1
59	Walking on Water	1	5	1	1
60	Surface Tension	1	5	0	0
61	Sink or Float	1	5	1	1
62	How is Water Unique	1	5	1	N/A
63	To Support Life	1	5	1	N/A
64	Structure of Water	1	0	1	N/A
	TOTAL 53/61	7/8	35/40	7/8	4/5

NB SCORES		
Peer Edit Score	Owner's Fix-It Score	Teacher Score
53/61= 87%	60	61

Parents- please look over your child's notebook, check each category and sign the box				
	Needs Improvement	Good	Excellent	Parent Signature
Date, Title, Page #s			✓	A parent signature and evaluation will earn 5 extra points
Work Completion		✓		
Legible, Neat		✓		
Use of Color	✓			Parent Signature

6/9/3

Student Expectations

Student Expectations- 2019 *Mrs. Tayco*

Stewardship *is the careful and responsible management of something entrusted into one's care. You will be asked to examine your individual and collective impact on the world and be challenged to become a more conscientious steward of the planet with the decisions you make.*

TaycoScience Website is used for daily posting of homework, agendas, due dates and notebook pages. https://sites.google.com/a/bsmsk.net/taycoscience/

Class Materials (PBnJ) are required to be brought to class everyday. This includes a charged computer with power cord, science notebook, sharpened pencil, and planner. Highly recommend colored pencils.

Electronic Devices may only be used as authorized. You are not allowed to use your cell phone unless specifically authorized to do so. You are only allowed to use your computer when authorized to do so. You may only use authorized websites. Unauthorized use of the internet such as games, music, shopping, social media, etc - may result in loss of online privileges. Computers must be in class each day with an accompanying power cord. Inability to use computer without distraction may result in alternate work.

Absent Work must be made up immediately. You are responsible for making up missed work on time. You get one day for each day missed to make up work. You are also responsible for finding out what you missed and getting any unposted materials.

Restrooms & Drinking Fountains must be used during your passing periods. No restroom or water passes will be issued - except in an emergency. Any restroom or water pass issued will result in owing back 10 minutes of lost time in class. Excessive requests will reduce citizenship and result in a parent notification.

All class policies are listed on the taycoscience website.

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Citizenship Expectations

Academic Grades are earned. It is your responsibility for turning in work on time and for keeping all returned work. You are responsible for checking powerschool to know what your academic and citizenship grades are and the accuracy of posted scores.

Citizenship Grades are earned. See below for how your citizenship grade is determined.

WORKS SMART
- Seated by Bell
- Materials are Ready Immediately upon entering
- Actively Starts Task Poster
- Returns Materials for Future Use
- Teacher's Last Words are heard

ATTENDANCE IN CLASS
- No Tardies
- No requests to leave the classroom for personal business (RR,supplies, etc)

PARTICIPATES IN LEARNING ACTIVITIES & COMPLETES WORK
- No Late or Missing Assignments
- Completes Absent Work on time
- Does Own Portion of Group Assignments

SOCIALLY RESPONSIBLE & RESPECTFUL
- Treats others with Respect
- No distractions to learning or instruction
- Listens to Others
- Participates in Group Discussions & Activities

ENVIRONMENTAL STEWARD
- Treats Class Materials with Respect
- Treats Other Students' Materials with Respect

MANAGES TIME
- Does not get out of seat or socialize during work-time
- Works on tasks diligently
- Stays On-Task

I have read and understand my responsibilities and what is expected of me in science class.

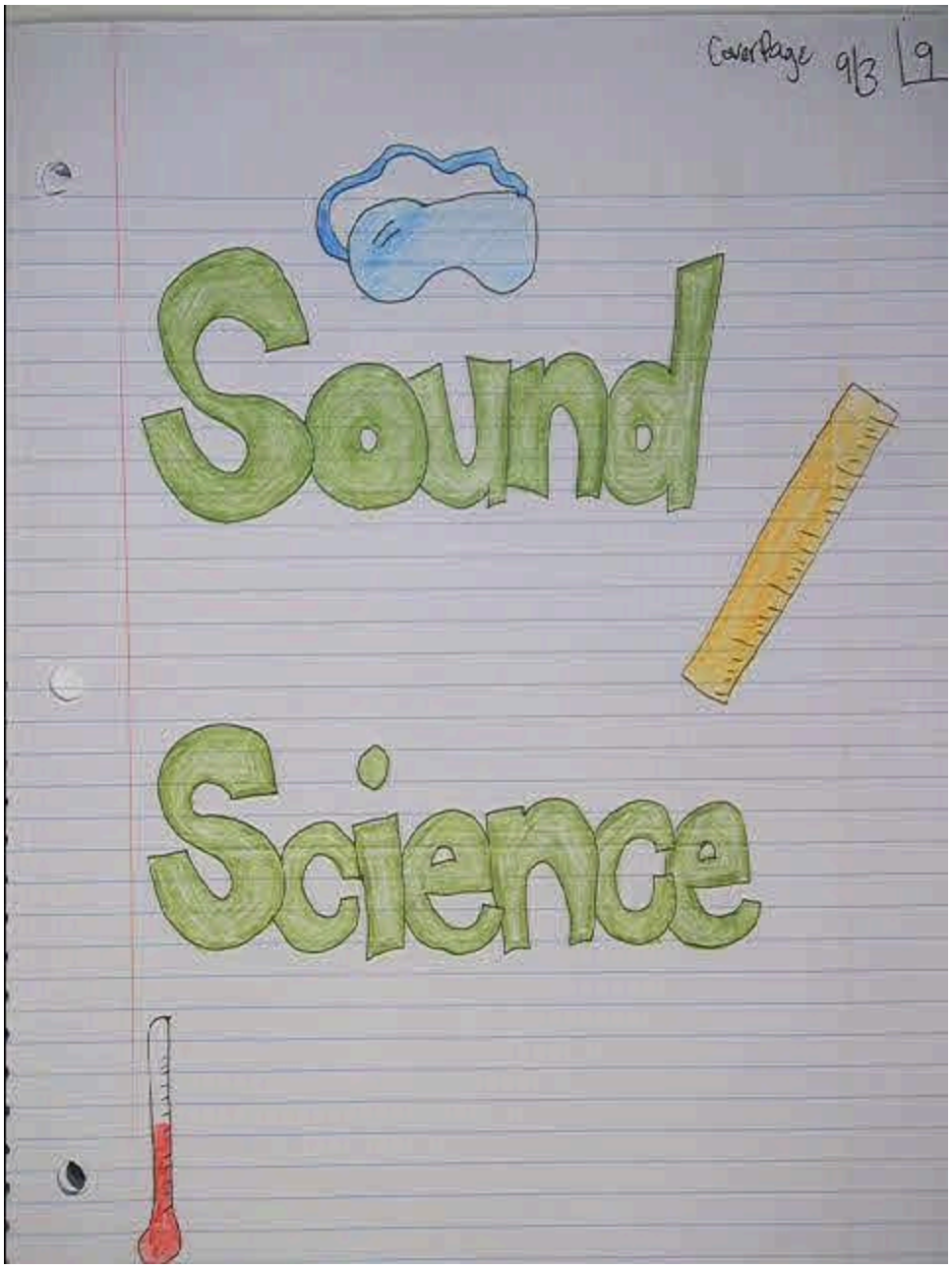
Name: _____ Date: _____ Period: _____

8 | 93

Academic Scoring Scale

Letter Grade (100%)	Academic Level	Proficiency Scale
A (90-100%)	**Advanced / Above & Beyond** • Shows understanding with extra depth & complexity	4
B (80-89%)	**Proficient / Got It!** • Shows sufficient understanding of material	3
C (70-79%)	**Basic / Almost Got It** • Shows some understanding but needs more study or practice	2
D (60-69%)	**Below Basic / Getting There** • Shows minimal understanding of material	1
F (50-59%)	**Far Below Basic** • Shows attempt with very little understanding of material	.5
F (00%)	**No Attempt** • No work turned in or no attempt made	0

Percentage % = $\frac{\text{Your Score}}{\text{Total Score Possible}} \times 100$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Sound
Science

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Measuring References

READING A RULER

_____cm

_____mm

READING VOLUME OF LIQUID IN CYLINDER

Meniscus

mL

READING THERMOMETER

_____C

Name: _____ Period ____ Team # ____ Date: _____

Body Part	Length in cm	Length in mm	Length in m
Index finger			
Handspan (end of thumb to end of pinkie when outstretched)			
Thumbprint			
Forearm (Elbow to wrist)			
Foot			
Hand (base of palm to tip of middle finger)			

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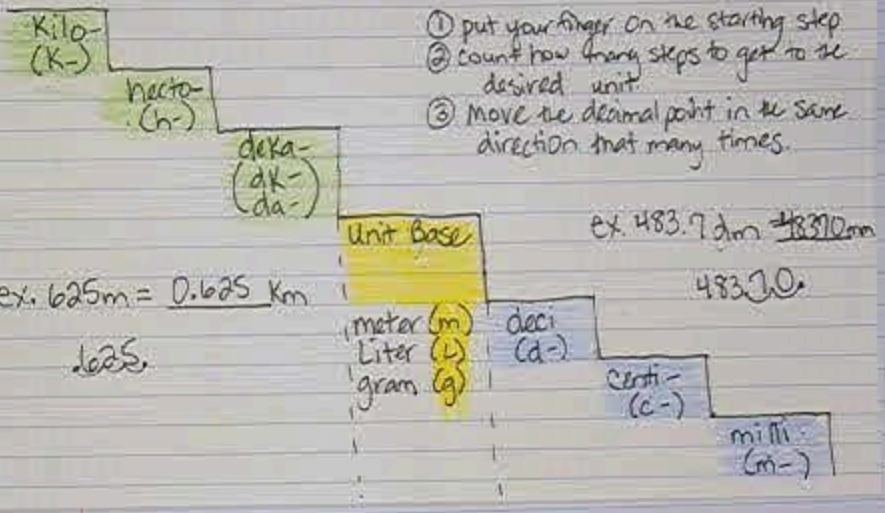
Converting in Metrics

Conversion Tool



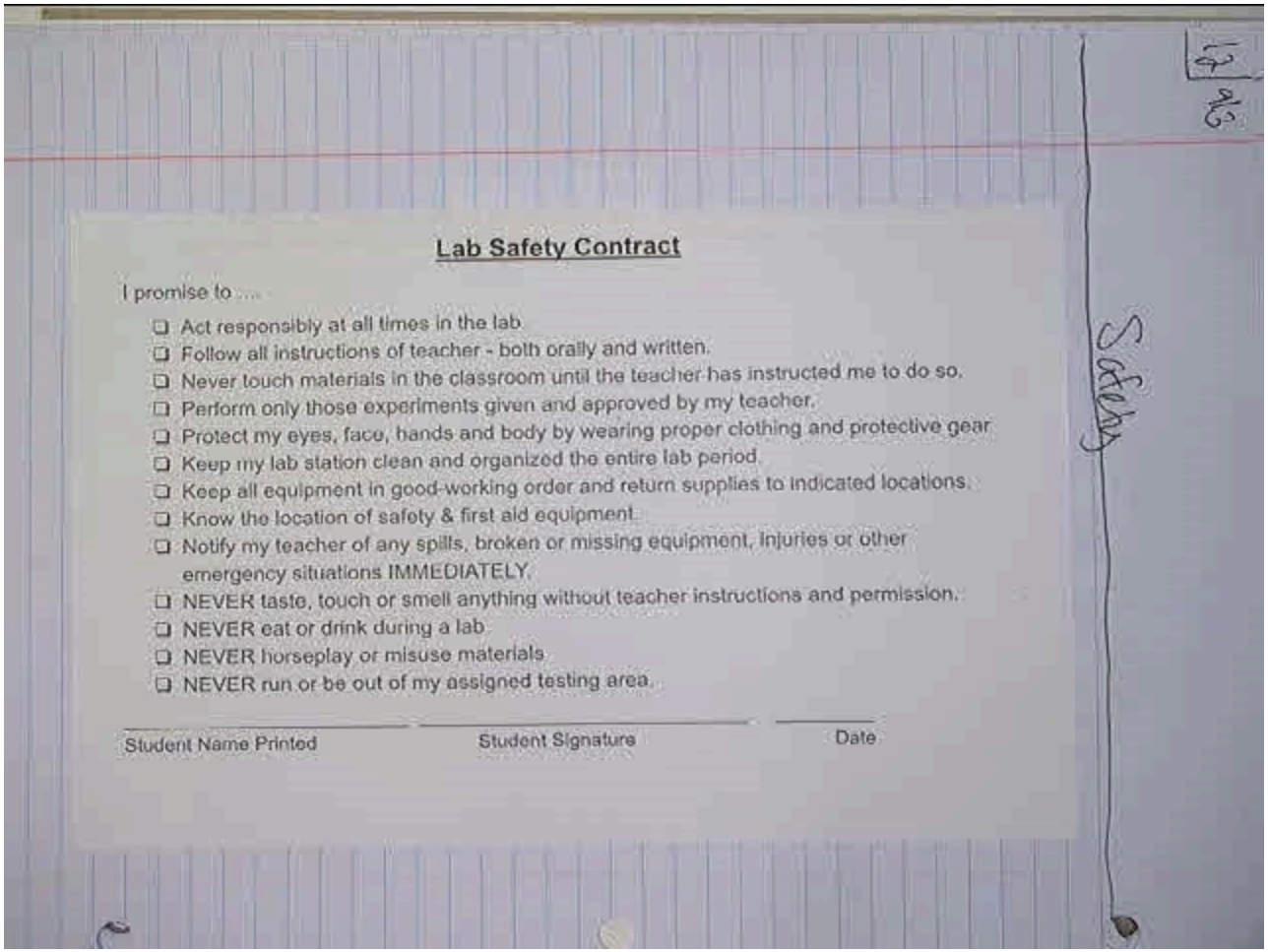
① put your finger on the starting step
② count how many steps to get to the desired unit
③ move the decimal point in the same direction that many times.

ex. 625m = 0.625 Km

.625.

ex. 483.7 dm = 48370mm

4837.0.



Lab Safety Contract

I promise to ....

- ❑ Act responsibly at all times in the lab.
- ❑ Follow all instructions of teacher - both orally and written.
- ❑ Never touch materials in the classroom until the teacher has instructed me to do so.
- ❑ Perform only those experiments given and approved by my teacher.
- ❑ Protect my eyes, face, hands and body by wearing proper clothing and protective gear.
- ❑ Keep my lab station clean and organized the entire lab period.
- ❑ Keep all equipment in good-working order and return supplies to indicated locations.
- ❑ Know the location of safety & first aid equipment.
- ❑ Notify my teacher of any spills, broken or missing equipment, injuries or other emergency situations IMMEDIATELY.
- ❑ NEVER taste, touch or smell anything without teacher instructions and permission.
- ❑ NEVER eat or drink during a lab.
- ❑ NEVER horseplay or misuse materials.
- ❑ NEVER run or be out of my assigned testing area.

Student Name Printed _____ Student Signature _____ Date _____

Safety

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Explanations

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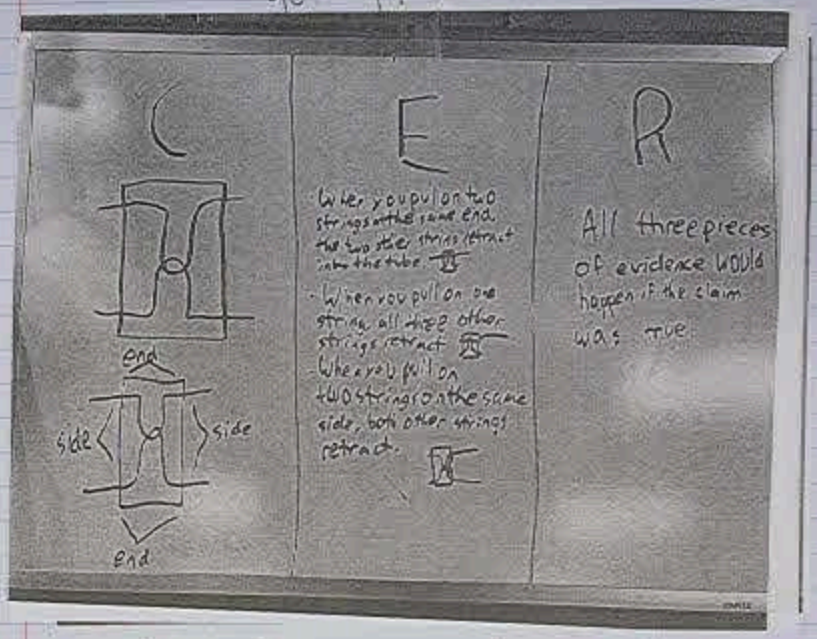
Mystery Tubes



* Make improvements in a different color.

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Modeling

1. Describe & Show the phenomena – Fire.
2. Define the boundary (what must happen for it to occur)
3. Draw & label the components
4. Show the Inputs & Outputs.
5. Explain/show the difference between complete & incomplete combustion

16/9/5

Fortune-Telling Fish

I predict my fortune will be _____

When I placed my fish on my palm, it _____

my fortune is _____

16/9/6

What makes the fish move?

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Fair Test

A FAIRTEST has ALL of the following:

- ☑ Test one variable only (called the Independent Variable - IV)
- ☑ Measure / observe one variable (called the Dependent Variable - DV)
- ☑ All other variables should be kept CONSTANT (controlled, same)
- ☑ Must test at least 2 groups/values (or test & control group)
- ☑ Multiple Trials and/or Large Sample Size (#Test subjects)
- ☑ Procedures & Results are Repeatable

Experiment Design

Identify IV & DV
Experiment Question: Does (IV) affect (DV) ?
Hypothesis: I predict if _____ then _____
because _____.
Materials: (material, amount etc.)
Procedure: how to set-up & how to test
Sample Size:
Trials:
Test Subjects:
Data Table:

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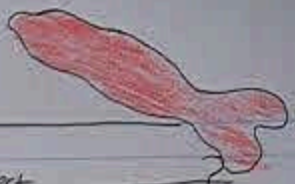
Fair Test Fish



Experiment Question Does _____ (IV) affect _____ (DV) ?

Hypothesis I think if I _____
then the movement of the fish will _____
because _____

Materials Needed
-
-
-

-
-
-

Sample size =

 # Trials =

Test subjects = fortune-telling fish

Set-up Procedures
1.
2.
3.

Testing Procedures
1.
2.
3.
4.
5.

Sample Data Table

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Collision Course

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Asteroids

Resource / Article: SpaceX CEO Elon Musk Scared of Killer Asteroid, Believes Earth has 'No Defense'

Questions I have

Theory: There is a theory that there was an asteroid collision 65 million years ago

This is what I know/think | Questions I want to know

Video Simulation: Global Impact Event

Question I have

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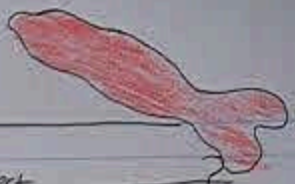
Fair Test Fish



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Materials Needed
-
-
-

-
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-

Sample size =

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Test subjects = fortune-telling fish

Set-up Procedures
1.
2.
3.

Testing Procedures
1.
2.
3.
4.
5.

Sample Data Table