

[Type text]

## ABSTRACT

### The Illinois Junior Academy of Science

CATEGORY: STATE REGION #: 10  
SCHOOL: Trinity Lutheran School IJAS REGION #: 10010  
CITY/ZIP: Springfield 62704 SCHOOL PHONE: 217.787.2323  
NAME OF EXHIBITOR\*: GRADE:

\*If this project is awarded monetary prize, the check will be written in this exhibitor's name.

PROJECT TITLE:

This is where you put the paragraph described below.

1. Limit Abstract to 3 paragraphs (about 200 words or less). a)Purpose – what you set out to investigate; b) Procedure – how you did it; c)Conclusion – based on your results. LABEL EACH PARAGRAPH.
2. Must be typed, single-spaced on the front of this form. DO NOT write on the back of this form.
3. THREE (3) copies of your COMPLETE paper are required at the State Science Project Exposition.

**This above form must be duplicated. Student generated forms must be in essentially the same format.**

This form MUST be displayed on the front of the exhibitor's display board. It may be reduced to half a sheet of paper.

Info on abstract is to be Times New Roman size 12.

Single space your abstract.

[Type text]

## **SAFETY SHEET**

### **The Illinois Junior Academy of Science**

**DIRECTIONS:** The student is asked to read this introduction carefully, fill out the bottom of this sheet, and sign it. The science teacher and/or advisor must sign in the indicated space.

**SAFETY AND THE STUDENT:** Experimentation or research may involve an element of risk or injury to the student, test subjects and to others. Recognition of such hazards and provision for adequate control measures are joint responsibilities of the student and sponsor. Some of the more common risks encountered in research are those of electrical shock, infection from pathogenic organisms, uncontrolled reactions of incompatible chemicals, eye injury from materials or procedures, and fire in apparatus or work area. Countering these hazards and others with suitable controls is an integral part of good scientific research.

In the box below, list the principal hazards associated with your project, if any, and what specific precautions you have used as safeguards. Be sure to read the entire section in the *Policy and Procedure Manual of the Illinois Junior Academy of Science* entitled "SAFETY GUIDELINES FOR EXPERIMENTATION" before completing this form.

This is where you identify dangers in your experiment, and list how you made sure it was safe.

The info on the safety sheet is to be Times New Roman size 12.

Use single spacing on your safety sheet.

SIGNED \_\_\_\_\_

Student Exhibitor (s)

SIGNED \_\_\_\_\_

Sponsor\*

\*As a sponsor, I assume all responsibilities related to this project.

**This Sheet Must Be Typed**

This form MUST be displayed on the front of the exhibitor's display board. It maybe reduced to half a sheet of paper.

[Type text]

## Other Endorsements

This page is for any other needed endorsements,  
such as:

Humans as a Test Subject

Non- Human Vertabrate

See me if you need either of these.

Title should be 1/3 of the way down the page. Do not Bold, Underline, or Italicize.

These lines are to be centered and double spaced

Everything in your paper is to be Times New Roman size 12

Everything is to be double spaced from this point forward

Title

Name

Classes

Teachers

School

Date Due

## Table of Contents

List each section of your log book starting with the acknowledgements and the page number it starts on.

The words Table of Contents centered

Page numbers should line up vertically

### Acknowledgments

Thank people who helped you complete your science fair. Be sure to thank them for specific things. Possibilities include people who bought things for you, gave you information or took you places. People who helped you do the project should be included.

Purpose/Problem/Hypothesis

The purpose of this experiment is to

The purpose should be a sentence describing what you are trying to learn

Problem

The problem is the question you are trying to answer

Hypothesis

The hypothesis is your guess as to the answer to your question and the reason you think this will be the outcome

Independent Variable

Independent variable: the thing you are changing

Dependant Variable

Dependant variable: what you expect will change because of the change in the independent variable

Constants

Constants: all of the other factors you keep the same (list all of them)

Control

Control: The one where you don't change anything. List even if you don't have one, and put 'Not Applicable'

Title of Your Project

This is new. You put the Title here as well as in the header

Centered, NOT bolded

This is the first page of the body of your review of literature

5-7 pages

Times New Roman size 12

Double Spaced

Always put 2 spaces at the end of a sentence

The first paragraph should be an introductory paragraph

The last paragraph should be a conclusion paragraph (do not confuse this with your conclusions page)

Do not write the same way you speak, use:

the third person point of view rather than using the first person point of view or passive voice :

The study showed that.... NOT

I found out that...

The active voice rather than passive voice

The participants responded..., NOT

The participants have been asked...

Citations:

In text citations are to be used throughout the paper EACH TIME info from a source is used. One per paragraph is NOT a good rule of thumb

Citations should be in the following format after the info is used, and before the period:

(Author's last name, year of publication)

Example:

This is an example sentence (Biggs, 2010).

### Material List

Left Justified

List all materials you used to conduct your experiment

Include quantities and measurements (IN METRIC)

This list should be complete enough for a person who is unfamiliar with your project to recreate your experiment

## Procedure

1

2

3

A step-by-step description of how you did your experiment

This list should be complete enough for a person who is unfamiliar with your project to recreate your experiment

Number your steps

Left justified

It is acceptable to say something similar to 'repeat steps 4-7 with water, saltwater and oil.'

## Data and Results

This is where you put all of your data and results. This should be in numerical form.

Pictures (if included) would also go in this section

## Graphs

Should include a graph of each trial along with a summary, or average, graph

Use the format of graph that best shows your data

Leave time for this, the graphs can be difficult to format just the way you want

## Conclusion

Restate your problem and hypothesis and state if you were correct or incorrect

Tell about any problems you had doing your experiment, and how you would do it differently if you were to do it again

Describe who might find your information useful

Should be  $\frac{1}{2}$ -1 page long (may be multiple paragraphs)

### Reference List

Use citationmachine.net or easybib.com for proper formatting

If the entry is more than 1 line, all lines except the top one should be indented (called a hanging indent)

Entries are to be in alphabetical order by the first word in the entry

No sources more than 10 years old

All internet sources must be approved by Mr. Biggs

Every entry should be cited within the paper, and every citation should be included on the reference list