Approval Form (1B)
A completed form is required for each student, including all team members.

1.	To Be	Completed I	by Student and	Parent

- a. Student Acknowledgment:
  - I understand the risks and possible dangers to me of the proposed research plan.
  - I have read the ISEF Rules and Guidelines and will adhere to all International Rules when conducting this

research.  I have read and will abide by the following Ethics statement					
Student researchers are exper are not condoned at any level or presentation of other resea competition in affiliated fairs Lakxshanna Raveen	of research or competition. Surcher's work as one's own, a	Such pra	ctices include but are cation of data. Fraudo	e not limited to	o plagiarism, forgery, use will fail to qualify for
Student's Printed Name	Signature	erstand t	he risks and nossible	(Must be	nowledged (mm/dd/yy) prior to experimentation.)
	ct Summary. I consent to my			_	ved in the
Malathy Raveendran	Man	1		6/12/19	
Parent/Guardian's Printed N					nowledged (mm/dd/yy) prior to experimentation.)
a. Required for projects that need prior SRC/IRB approval BEFORE experimentation (humans, vertebrates or potentially hazardous biological agents).  The SRC/IRB has carefully studied this project's Research Plan/Project Summary and all the required forms are included. My signature indicates approval of the Research Plan/Project Summary before the student begins experimentation.		OR	b. Required for research conducted at all Regulated Research Institutions with no prior fair SRC/IRB approval.  OR  This project was conducted at a regulated research institution (not home or high school, etc.), was reviewed and approved by the proper institutional board before experimentation and complies with the ISEF Rules. Attach (1C) and any required institutional approvals (e.g. IACUC, IRB).		
SRC/IRB Chair's Printed Name			SRC Chair's Printed N	lame	
Signature (	Date of Approval (mm/dd/yy Must be prior to experimentatio	120	Signature	D: (M	ate of Signature (mm/dd/yy) lay be after experimentation)
3. Final ISEF Affiliated Fair SRC Approval (Required for ALL Projects)					
SRC Approval After Experimentation and Before Competition at Regional/State/National Fair I certify that this project adheres to the approved Research Plan/Project Summary and complies with all ISEF Rules.					
Regional SRC Chair's Printed N	ame Signature			Date of A	Approval (mm/dd/yy)

SRC Approval After Experimentation and Before Competition at Regional/State/National Fair I certify that this project adheres to the approved Research Plan/Project Summary and complies with all ISEF Rules.			
Regional SRC Chair's Printed Name	Signature	Date of Approval (mm/dd/yy)	
State/National SRC Chair's Printed Name (where applicable)	Signature	Date of Approval (mm/dd/yy)	

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## 1. To Be Completed by Student and Parent

- a. Student Acknowledgment:
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Student researchers are expected to maintain the highest standards of honesty and integrity. Scientific fraud and misconduct are not condoned at any level of recearch or competition Such a

or presentation of other researcher's wo competition in affiliated fairs and ISEF.  Soyoun Moon	ork as one's own, and fabrication of dat	a. Fraudulent projects will fail to qualify for
Student's Printed Name b. Parent/Guardian Approval: I ha	Signature ave read and understand the risks and	Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.) possible dangers involved in the
Research Plan/Project Summa	ry. I consent to my child participating i	n this research.
Eun Lee	150	6/12/19
Parent/Guardian's Printed Name	Signature	Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)

2. To be completed by the local or affiliated Fair SRC (Required for projects requiring prior SRC/IRB APPROVAL. Sign 2a or 2b as appropriate.)

<ul> <li>Required for projects that need prior SRC/IRB approval BEFORE experimentation (humans, vertebrates or potentially hazardous biological agents).</li> </ul>			
Project Summary and signature indicates as	efully studied this project's <b>Research Plan/</b> d all the required forms are included. My approval of the <b>Research Plan/Project Summary</b> egins experimentation.		
SRC/IRB Chair's Printed Name			
Signature	Date of Approval (mm/dd/yy) (Must be prior to experimentation.)		

Required for research conducted at all Regulated Research Institutions with no prior fair SRC/IRB approval. OR This project was conducted at a regulated research institution (not home or high school, etc.), was reviewed and approved by the proper institutional board before experimentation and complies with the ISEF Rules. Attach (1C) and any required institutional approvals (e.g. IACUC, IRB). SRC Chair's Printed Name Signature Date of Signature (mm/dd/yy) (May be after experimentation)

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Regional SRC Chair's Printed Name	Signature	Date of Approval (mm/dd/yy)	
State/National SRC Chair's Printed Name (where applicable)	Signature	Date of Approval (mm/dd/yy)	