

Independent Investigation

The Purpose



IMPORTANT NOTE:

In order to further investigate your question, you must have the right intentions and the right purpose in mind. This worksheet will help you understand the purpose of your investigation and how it relates to rest of the world and how it connects back to your Deen.

Name _____

Date _____ Class: _____

1. Which category does your independent investigation fall under?

Category	✓	Category	✓
Animal Sciences		Energy: Physical	
Behavioral and Social Sciences		Engineering Mechanics	
Biochemistry		Environmental Engineering	
Biomedical & Health Sciences		Materials Science	
Cellular & Molecular Biology		Mathematics	
Chemistry		Microbiology	
Computational Biology & Bioinformatics		Physics & Astronomy	
Earth & Environmental Sciences		Plant Sciences	
Embedded Systems		Robotics & Intelligent Machines	
Energy: Chemical		Systems & Software	

I. Overall Purpose

Example: The purpose of the experiment was to investigate the effect of stress on the growth of bean plants by comparing the growth of bean plants subjected to stress for 15 days.

The purpose of the experiment was to investigate the effect of _____

II. Extension to society

Example: Society can benefit from the culmination of this experiment because agriculture is a necessity of life and understanding its limitations helps society create better crops for varying conditions.

Society can benefit from the culmination of this experiment because_____

III. Careers/people affected

- List 2 specific groups of people who would be positively affected by the conclusion of your experiment. Include an explanation of how those groups of people will be affected/ benefit.

Groups of People Affected	Explained Benefit
Farmers	Caretakers of crops and they are responsible for implementing better technologies for the betterment of crops
Biochemical Engineers	Open new doors for different types of technology such as biofuel.

Example: Specific groups of people that would be positively affected by the conclusion of this experiment would be farmers because they are the caretakers of crops and they are responsible for implementing better technologies for the betterment of crops. Biochemical engineers would also benefit by the results of this experiment because the open new doors for different types of technology such as biofuel.

Groups of People Affected	Explained Benefit

Careers/people affected #1: Specific groups of people that would be positively affected by the conclusion of this experiment would be

because _____

Careers/people affected #2 : _____ would also benefit by the results of this experiment because

IV. Reflection

- Reflect on how the experiment can connect to a hadith or ayah. The hadith or ayah should draw spiritual analogies toward your everyday actions.

Reoccurring moral concept/lesson in the experiment (think of big concepts like happiness, stress, faith, pressure, etc...)	What is the moral or lesson? <i>Stress</i> _____ _____
Ayah or Hadith Choice	State ayah and hadith here. <i>"Allah does not burden a soul beyond that it can bear..."</i> _____ _____
Ayah number or Hadith reported by...	What ayah? Or what Hadith? 2:286 _____
Connection	How does it connect to your experiment? <i>Every organism such as a bean plant has its potential limitations. Similarly, "Allah does not burden a soul beyond that it can bear.." (2:286) People have varying potential and Allah does not burden anyone with situations that are more stressful than they can handle.</i> _____ _____

Example: *A reoccurring moral lesson in the experiment is the concept of stress. A parallel analogy can be found in ayah 2:286 where it states “Allah does not burden a soul beyond that it can bear..” This ayah explains that people have varying potential and Allah does not burden anyone with situations that are more stressful than they can handle. Similarly, every organism such as a bean plant has its potential limitations.*

A reoccurring moral lesson in the experiment is the concept of _____

A parallel analogy can be found in the ayah/hadith _____

This ayah/hadith explains _____

Similarly, (summarize how your experiment connects to the ayah/hadith)
