

Name: _____

Date: _____

Class: _____

Figure Out My Question Sheet

Directions:

- As you explore the questions for the project, take notes on at least three that interest you.
- As an exit ticket at the end of class, you will choose the one you're most interested in as your project question.

Question	Things I learned about this question	Things I'd like to find out about this next time....

EXIT TICKET: The question I'd like to focus on for my project is...

I find this question interesting because.....

You Are the Scientist!

Project Overview

Goals:

- 1) To be scientists by asking your own science questions
- 2) To learn to answer your questions through observation, experiment, and research
- 3) To evaluate resources such as websites, books and periodicals
- 4) To properly cite sources
- 5) To accurately assess your own work, reflect, and set goals for next time!

Calendar:

January 8 - Pick your question Day

January 15 - Research your question day

January 22 - Make your Googleslides presentation day

January 29 - Present your question and answer day

Product:

Googleslides presentation with a minimum of 4 slides

Slide #1: Question

Slide #2: Background information

Slide #3: Answer to your question (with a helpful picture)

Slide #4: Citations (list of your sources)

Optional additional slides if you need them

Requirements:

- Be on task and making good learning decisions during class
- Present accurate information that answers your question clearly and completely
- Use your own words to summarize information
- Use science vocabulary correctly
- Use at least three sources (1 encyclopedia, 1 Book/video/periodical, 1 Website - nothing that starts with "wiki" or that you type a question into and get an answer from!)
- Everything done on time

Stage 2:

- We will do another project in the Ecology/Earth Science Units
- You will get to develop your own question
- You will have more choices of products
- Requirements for this project will build on those from project 1

Joining GoogleClassroom

Go to classroom.google.com

Sign into google with your account password

You are a student!

Click the “+” sign in the top right

Click “Join a class” code = 8io5a1

Project Product Options

Experiments:

Conservation Projects:

Demonstrations:

2-D:

- poster
- cardboard tri-fold
- Create a book
- Painting
- Research Paper
- Newspaper
- Magazine
- Graphic Novel
- Story Board

3-D:

- Model with labels
- clay Model
- Origami Model
- Fashion Design
- Board Game
- LEGOs Model
- Baked Model
- Foldable
- Mobile
- Slinky Wave Model
- Earthquake Model

Media Technology:

- **PowerPoint Presentation**
- **Google Slide Presentation**
- **Video**
- **Glogster**
- **Photography**
- **Prezi**
- **Scratch Animation**
- **Stop-Motion Animation**
- **Website**
- **Podcast**
- **Voicethread**

Performance:

- **Sing**
- **Rap**
- **Compose a Song**
- **Play and instrument**
- **Poetry**
- **Dance**
- **Perform a play or skit**
- **Interactive Game**

Project Product Links (for ideas):

Seismograph-

[http://www.iris.edu/hq/files/programs/education and outreach/aotm/8/1.SeismographModel-Lahr.pdf](http://www.iris.edu/hq/files/programs/education_and_outreach/aotm/8/1.SeismographModel-Lahr.pdf)

Advanced Seismograph-

<http://cse.ssl.berkeley.edu/lessons/indiv/davis/hs/Seismograph.html>

Earth Layers-

<https://www.pinterest.com/MrsHysmith/6th-grade-earth-science-layers-project-ideas/>

Earth Layers Model-

<https://www.youtube.com/watch?v=T0bRX4Jj5w8>

Plate Boundaries-

http://utahscience.oremjr.alpine.k12.ut.us/sciber08/9th/stand3/html/3_2c.htm

You are the Scientist! Notetaking Sheet




Name: _____ Section: _____

Date: _____

For my "You are the Scientist!" project in Chemistry/Physics (circle one) my question is

Below is a table to help organize your notes.

1. Make sure you have at least one of each type of source.
2. Cite (write down the information) about your sources as you go!

Type of Source	Notes Make sure to summarize the information in your <u>own words</u> , using <u>science vocabulary</u> that you understand	Citation Information about the Source
Encyclopedia 		Title: Author: URL/Name of Source:
Website CHECK OUT OUR  WEB SITE!		Title: Author: URL/Name of Source:
Database or Periodical or Book or Video 		Title: Author: URL/Name of Source:

Picture



Photographer:

URL/Name of
Source:

Teacher Support Platform

Drive My Drive > IQWST Curriculum Resources > You Are the Scientist

NEW

- My Drive
- Shared with me
- Google Photos
- Recent
- Starred
- Trash

Name ↑	Owner
2014-15 Archive	Daniel
2015-16 Round 1	me
2015-16 Round 2	Daniel
General YATS Documents	me
SEI Feedback June 2016	me

Drive My Drive > IQWST Curriculum Resources > You Are the Scientist > 2015-16 Round 1

NEW

- My Drive
- Shared with me
- Google Photos
- Recent
- Starred
- Trash

2 GB used

Name ↑	Owner
Project 1 Day 1	me
Project 1 Day 2	me
Project 1 Day 3	me
6th Grade You Are the Scientist Schedule	me
Chemistry Questions and Resources	me
Physics Questions and Resources	me
Physics/Chemistry Questions and Resources	me

Useful Links and Papers:

[AmGen and Change the Equation Study of High School Students interest in Science](#)

[Education Week Article on the AmGen Study](#)

[Science Excellence Gaps in the United States](#) - Burroughs and Cogan

Halpern, D., Aronson, J., Reimer, N., Simpkins, S., Star, J. R., & Wentzel, K. (2007). [Encouraging girls in math and science: IES practice guide](#) (NCER 2007-2003). Washington, DC: National Center for Education Research, Institute of Education Sciences, U.S. Department of Education.

Heilbronner, N. (2009) [Jumpstarting Jill: Strategies to Nurture Talented Girls in Your Science Classroom](#). *Gifted Child Today*, 32(1), 46-54.

Next Generation Science Standards www.nextgenscience.org

20 Time Information and Resources <http://www.20timeineducation.com/>

Genius Hour Information and Resources <http://www.geniushour.com/>

Super Fun Ecology Resources - Paula Feynman's Glogsters

- [Videos](#)
- [Current Events](#)
- [Citizen Science](#)
- [Listen Current](#)
- [Hands On Stuff](#)