

# Careers in Physics

**Grades:** 2-5

**Subject:** Physics, research.

**NGSS:** ETS1:B Developing Possible Solutions

**Skills:** Researching and Organizing, Compare and Contrasting

**Materials:** *Women in Physics/Las mujeres en la fisica*, worksheet

## BACKGROUND

All of the women featured in *Women in Physics/Las mujeres en la fisica* are physicists. They all study how everything in the universe moves and works. This is because there are several branches of physics, like engineering and quantum physics, which means there are a variety of career paths for physicists. Below are just some career paths/jobs for physicists:

Nuclear Physicist  
Astronomer  
Patent Agent  
Meteorologist  
Laser Engineer  
Optical Engineer  
Solar Physicist

Health Physicist  
Technical Writer  
Process Engineer  
Physics Teacher  
Seismologist  
Energy Policy Analyst  
Science Journalist

## ACTIVITY

1. Read *Women in Physics/Las mujeres en la fisica* to your students, as well as the background information above.
2. Have students choose and research two careers from the list above. Ask them to take notes on how those careers are similar and how they are different. Some categories to pay attention to are educational requirements, skills needed, and the branch of physics.
3. Ask the students to fill out the template provided in this lesson and use it to compare and contrast the two careers.



## DISCUSSION

Ask your students why they chose those two particular careers. What was similar between the two, what was different? What did they like or dislike about both careers? Do they think either career is one they would want to pursue when they grow up?

Information and Activity adapted from BioExplorer.net



This activity is an excerpt from the Teacher's Guide to:

*Women in Physics*

Hardback: 978-1-945779-11-4

Paperback: 978-1-938492-34-1

eBook: 978-1-945779-14-5

*Las mujeres en la física*

Paperback: 978-1-938492-35-8

eBook: 978-1-938492-36-5

Also enjoy *Women in Biology* and *Women in Chemistry*,  
available in English and Spanish.

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through reading

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Name \_\_\_\_\_ Date: \_\_\_\_\_

# Compare and Contrast: Careers in Physics!

\_\_\_\_\_ and \_\_\_\_\_ are similar because...

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\_\_\_\_\_ and \_\_\_\_\_ are different because...

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