

	SUBJECT	Physics
	LESSON TOPIC	Wave-Particle Duality/Double Slit Experiment
	GRADE	16-18 years old
	TOOL	Socrative
	ACTIVITY	Quiz assessment

 **RESOURCES:** Information related to the subject topic. Useful links are included in the section 'Resources' of the pedagogical sequence n°2.





STEPS – GETTING STARTED

1. Go to the website: [Socrative.com](https://www.socrative.com)



2. Click 'Log-In' and sign in with your gmail account or create a new socrative account.

Teacher Login

Email

Password

[Reset password](#)

Or



Sign in with Google

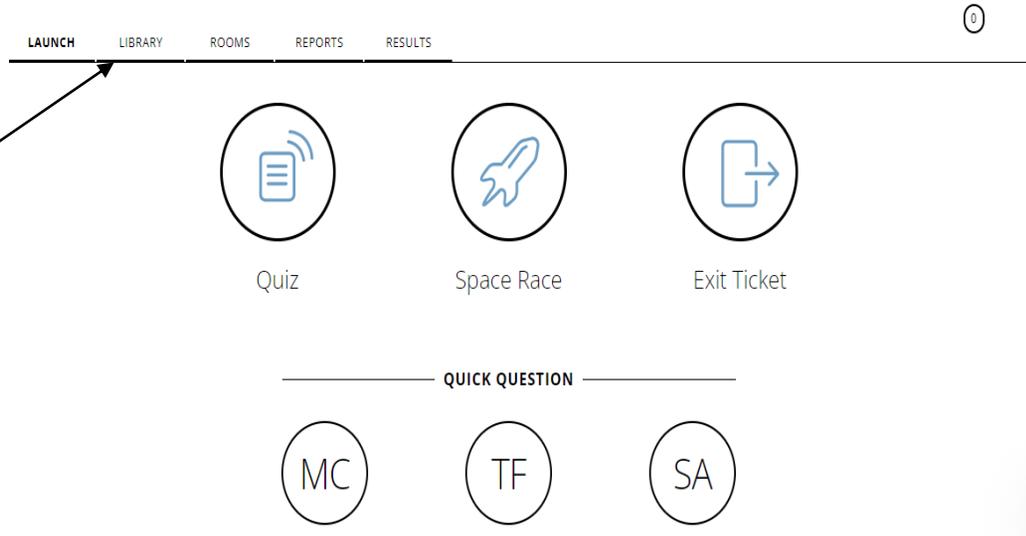
New to Socrative?



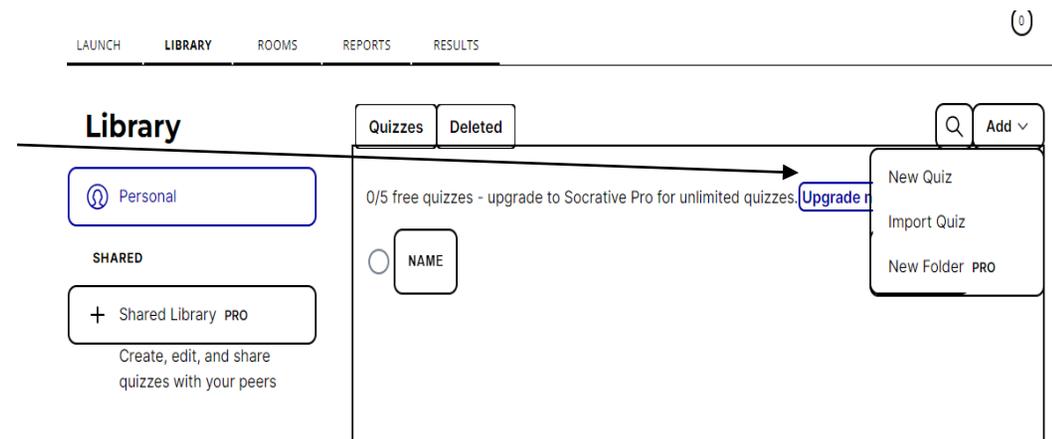


PREPARE THE ACTIVITY

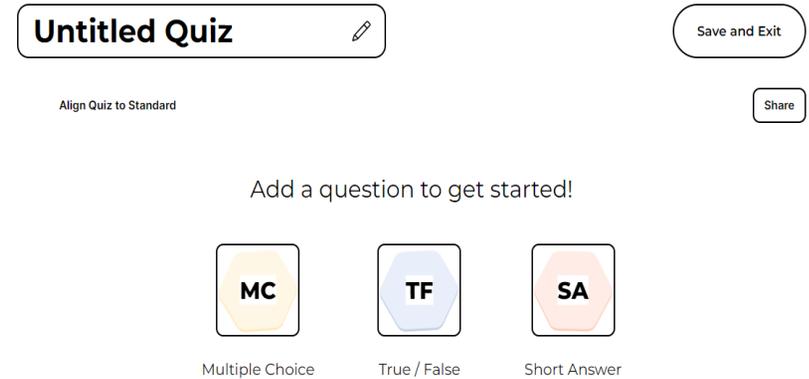
1. To prepare a quiz, click on the “library” option at the top corner.



2. Click on the “Add” option at the upper right corner and select “New Quiz”.



3. Add a title to your quiz and select the format of the questions.
Multiple Choice, True or False and Short answers.



Untitled Quiz 

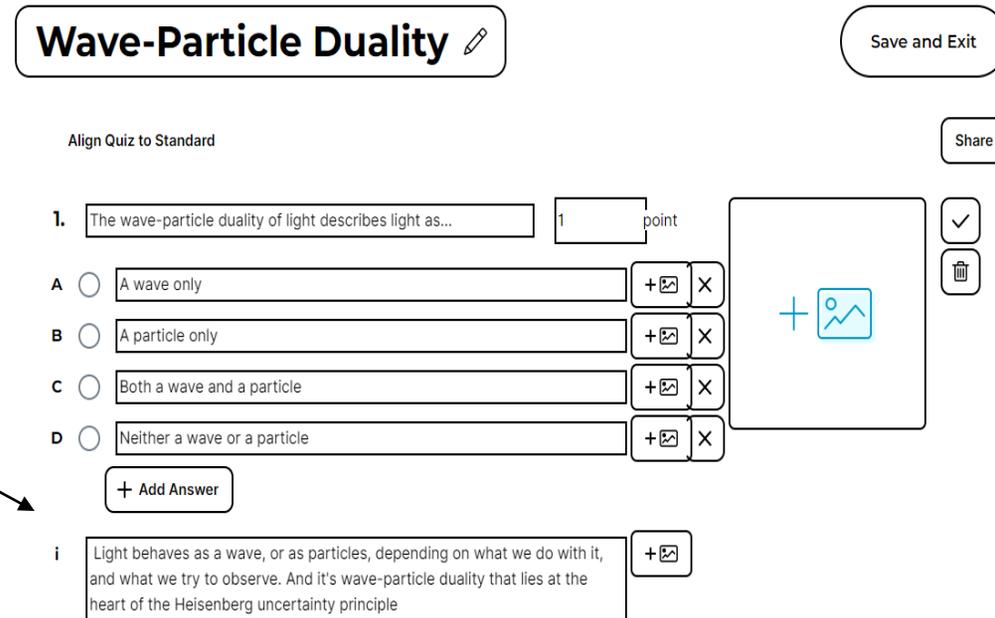
Align Quiz to Standard 

Save and Exit

Add a question to get started!

 Multiple Choice
  True / False
  Short Answer

4. After you have selected the format of the quiz, start formulating your questions. In this example, multiple choice format is used, and an explanation of the question at the bottom of the quiz.



Wave-Particle Duality 

Align Quiz to Standard 

Save and Exit

1. The wave-particle duality of light describes light as... 1 point

A wave only  

A particle only  

Both a wave and a particle  

Neither a wave or a particle  



i Light behaves as a wave, or as particles, depending on what we do with it, and what we try to observe. And it's wave-particle duality that lies at the heart of the Heisenberg uncertainty principle 

5. When your question is ready, click on the tick box at the right side.

Wave-Particle Duality ✎

Save and Exit

Align Quiz to Standard

Share

1. point

A + ✉ X

B + ✉ X

C + ✉ X

D + ✉ X

+ Add Answer

i + ✉

+

✓

✖

6. Click on the “Add Question” tab to keep adding question to your quiz.

→

Add a Question

Multiple Choice

True / False

Short Answer



SAVE AND PUBLISH

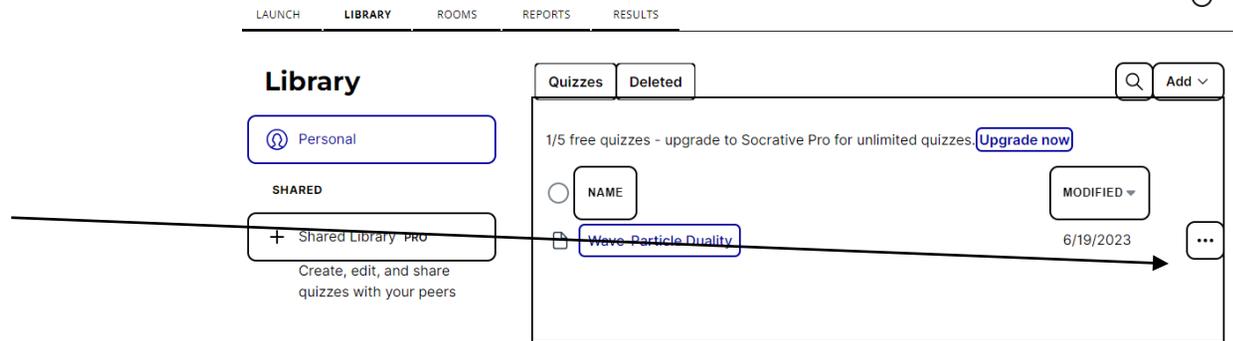
1. Once you have completed your quiz, click on the “save and exit” tab.

Save and Exit

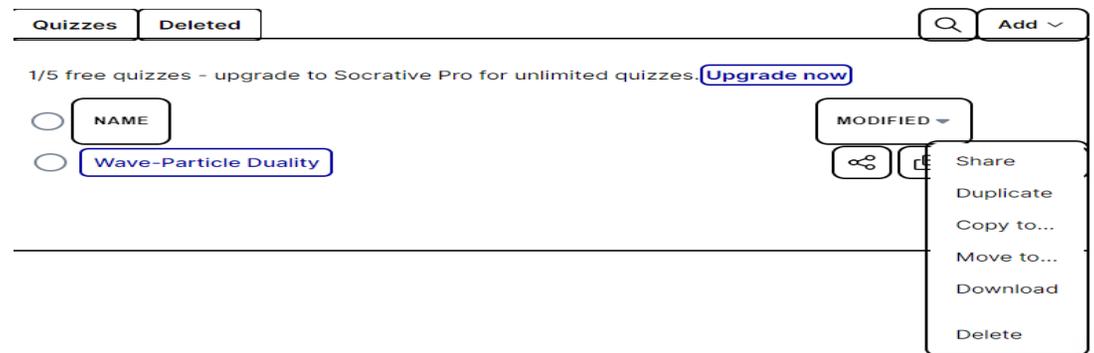
Share



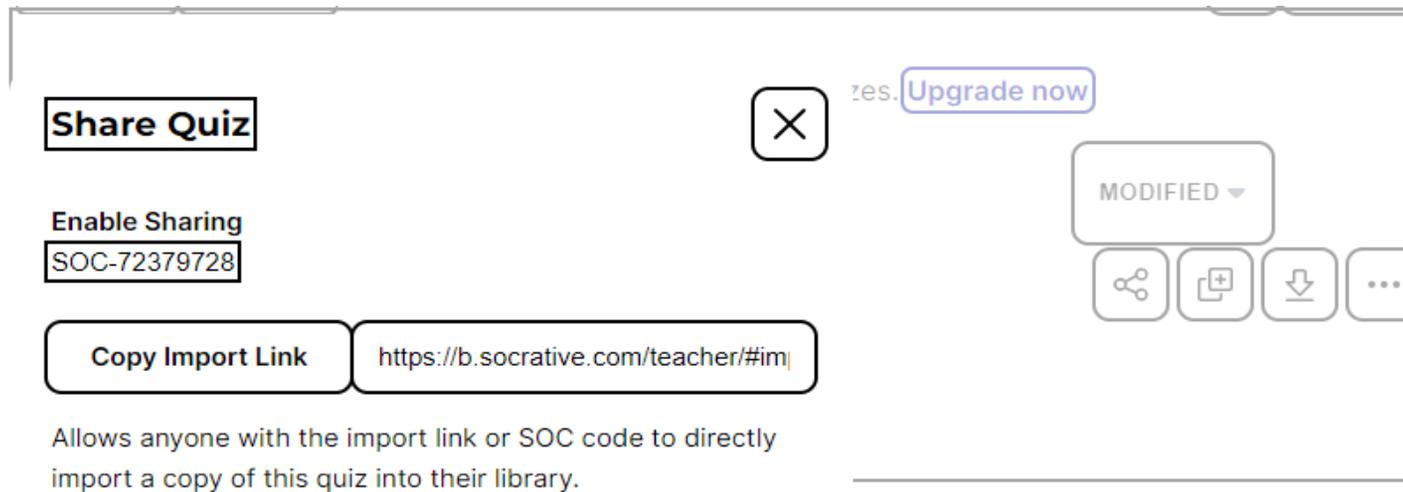
2. Click on the three dots at the right side.



3. Select “share” to create a code or a url that students can access, or you can download your quiz.



4. Your quiz is ready to be assigned!



Share Quiz ✕ res. Upgrade now

Enable Sharing
SOC-72379728

MODIFIED ▾

Copy Import Link <https://b.socrative.com/teacher/#im>

Allows anyone with the import link or SOC code to directly import a copy of this quiz into their library.



ADDITIONAL INFORMATION

Check out the final example:

Quiz_Wave-Particle Duality.pdf

1 / 2 - 100% +  



Name _____

Date _____

Wave-Particle Duality

Score _____

1. The wave-particle duality of light describes light as...

- (A) A wave only
- (B) A particle only
- (C) Both a wave and a particle
- (D) Neither a wave or a particle

2. Only the wave theory of light offers an explanation for the ability of light to exhibit...

- (A) Diffraction
- (B) Reflection
- (C) Illumination
- (D) photoluminescence

3. What does particle- wave duality mean?

- (A) electrons behaving as particles with ordinary matter
- (B) electrons behaving as waves when travelling through space
- (C) the photo electric effect
- (D) all of the above

4. Which of the following behaviors of light is wave-like?

- (A) The photoelectric effect
- (B) it diffracts.
- (C) It refracts
- (D) It is emitted and absorbed as photons

