

	MATIÈRE	Physique
	THÈME DE LA LEÇON	Expérience de la double fente/Dualité onde-particule
	PUBLIC CIBLE	16-18 ans
	OUTIL	Socrative
	ACTIVITÉ	Évaluation par quiz
	RESSOURCES:	Informations relatives au sujet traité. Des liens utiles sont inclus dans la section "Ressources" de la séquence pédagogique n°2.

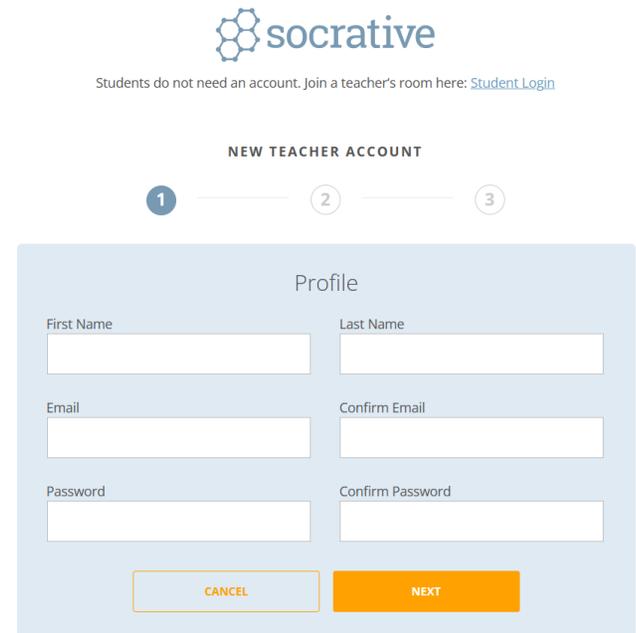
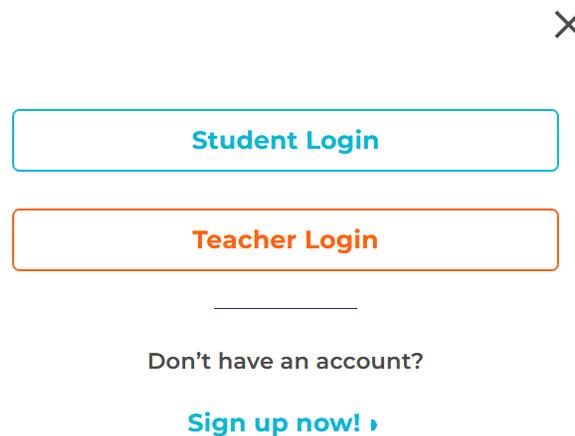


ÉTAPES – DÉBUTER

1. Allez sur le site web : [Socrative](https://www.socrative.com)



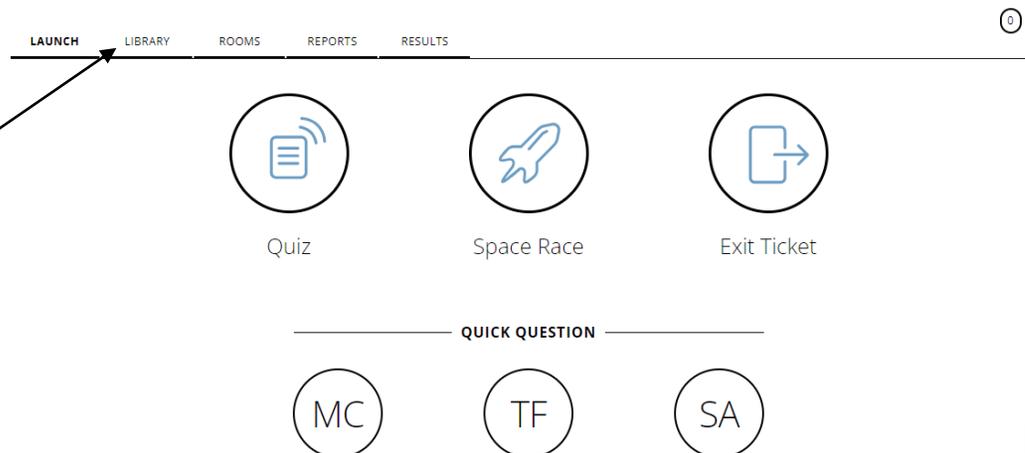
2. Cliquez sur "Login" (Connexion) et connectez-vous ou créez un nouveau compte Socrative.



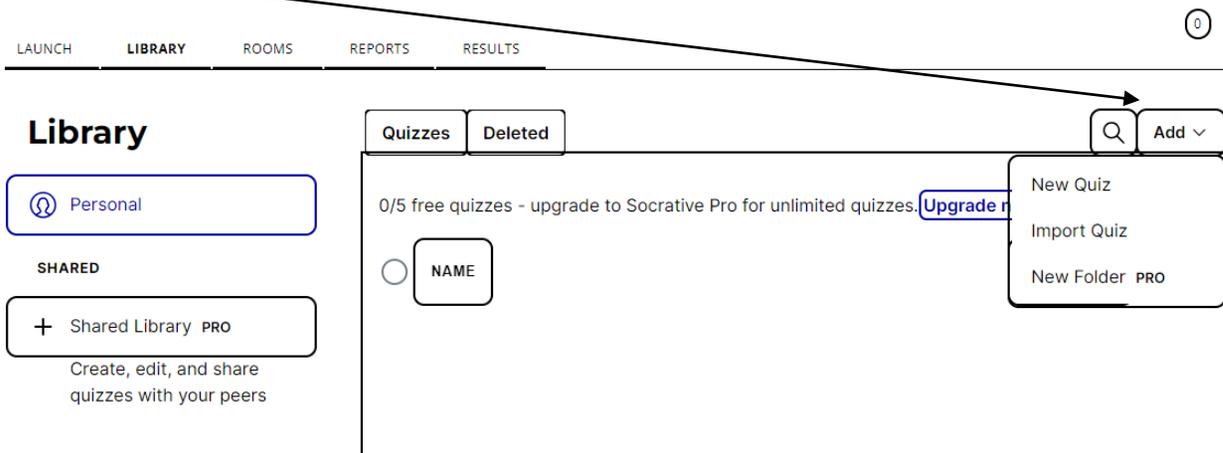


PRÉPARER L'ACTIVITÉ

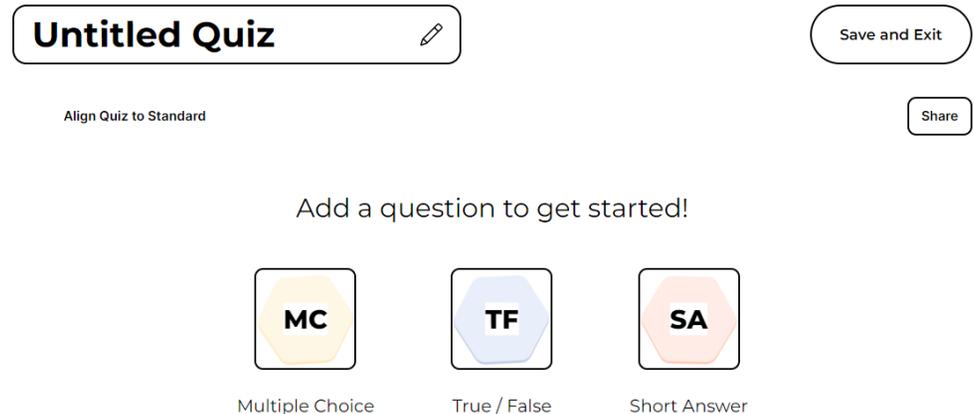
1. Pour préparer un quiz, cliquez sur l'option "Library" (Bibliothèque) dans le coin supérieur.



2. Cliquez sur l'option "Add" (Ajouter) dans le coin supérieur droit et sélectionnez "New Quiz" (Nouveau quiz).

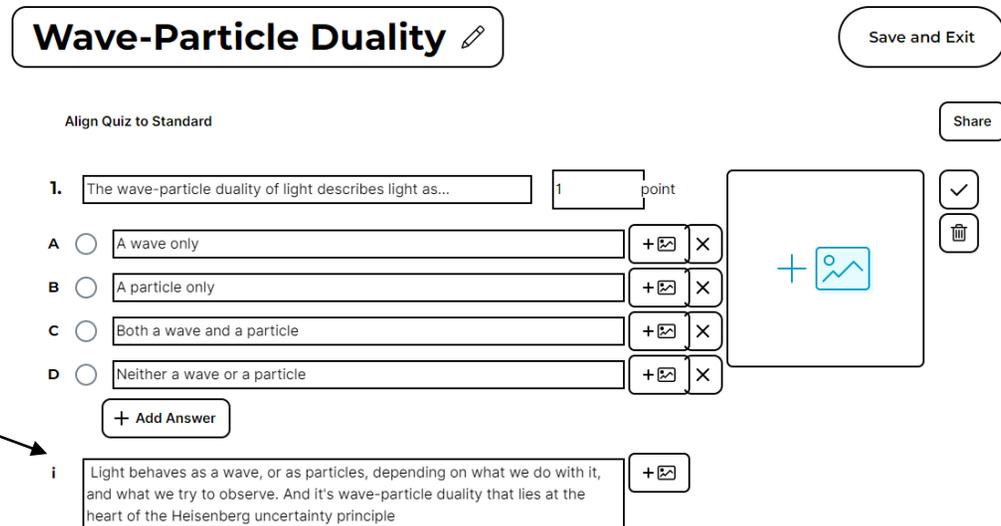


3. Ajoutez un titre à votre quiz et sélectionnez le format des questions. Choix multiple, Vrai ou Faux et Réponses courtes.

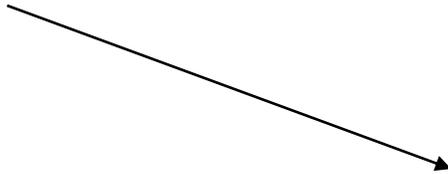


The screenshot shows a quiz creation interface. At the top, there is a title field containing 'Untitled Quiz' with an edit icon. To the right are 'Save and Exit' and 'Share' buttons. Below the title is a link 'Align Quiz to Standard'. The main instruction reads 'Add a question to get started!'. Three question format options are presented as icons: 'MC' (Multiple Choice) in a yellow hexagon, 'TF' (True / False) in a blue hexagon, and 'SA' (Short Answer) in a red hexagon. Below each icon is its corresponding label: 'Multiple Choice', 'True / False', and 'Short Answer'.

4. Après avoir choisi le format du quiz, commencez à formuler vos questions. Dans cet exemple, le format à choix multiples est utilisé, et une explication de la question figure au bas du questionnaire.



The screenshot shows the quiz creation interface with a question titled 'Wave-Particle Duality'. The question text is 'The wave-particle duality of light describes light as...' and is worth 1 point. There are four multiple choice options: A (A wave only), B (A particle only), C (Both a wave and a particle), and D (Neither a wave or a particle). Each option has a radio button, a plus icon to add more options, and an 'X' icon to delete. Below the options is an '+ Add Answer' button. At the bottom, there is an explanation field containing the text: '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'. To the right of the question are 'Save and Exit' and 'Share' buttons, and a trash icon.



5. Lorsque votre question est prête, cliquez sur la case à cocher à droite.

Wave-Particle Duality 

Save and Exit

Align Quiz to Standard Share

1. point

A

B

C

D

i



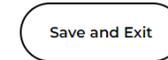
6. Cliquez sur l'onglet "Add a question" (Ajouter une question) pour continuer à ajouter des questions à votre quiz.

Add a Question

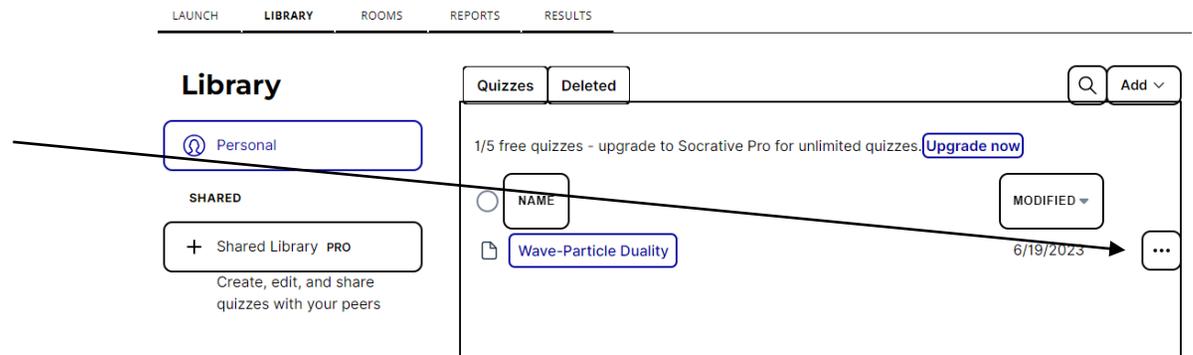


ENREGISTRER ET PUBLIER

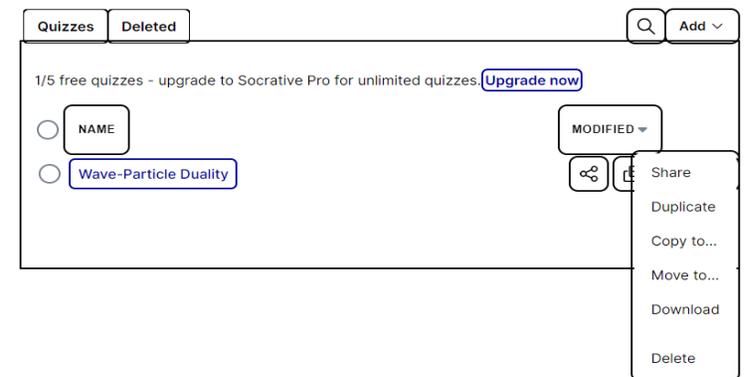
1. Une fois que vous avez terminé votre quiz, cliquez sur l'onglet "Save and exit" (Enregistrer et quitter).



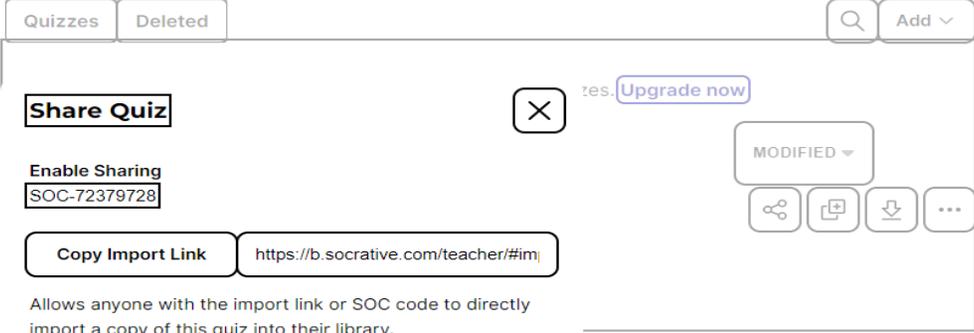
2. Cliquez sur les trois points à droite.



3. Sélectionnez "Share" (Partager) pour créer un code ou un lien URL auxquels les étudiants peuvent accéder, ou vous pouvez télécharger votre quiz.



4. Votre quiz est prêt à être attribué!

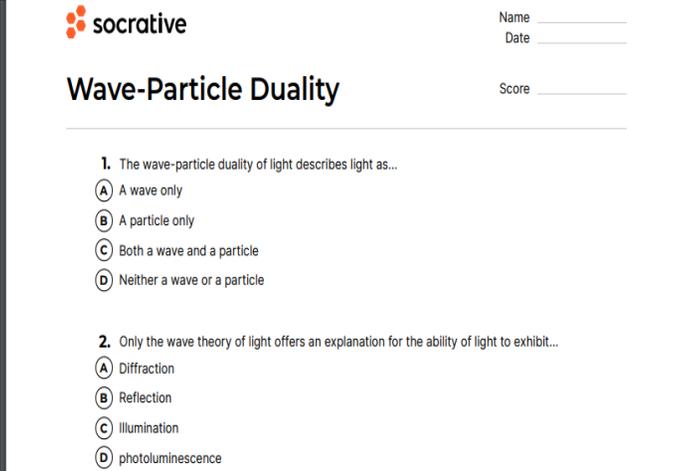


The screenshot shows the Socrative quiz management interface. At the top, there are tabs for 'Quizzes' and 'Deleted', a search icon, and an 'Add' button with a dropdown arrow. Below this, there is a 'Share Quiz' button with a close icon (X) to its right. To the right of the 'Share Quiz' button is a 'res. Upgrade now' button. Below the 'Share Quiz' button, there is an 'Enable Sharing' section with a 'SOC-72379728' code. Below that is a 'Copy Import Link' button with the URL 'https://b.socrative.com/teacher/#im'. To the right of the 'Copy Import Link' button is a 'MODIFIED' dropdown menu and a set of icons for sharing, copying, downloading, and more options. Below the 'Copy Import Link' button, there is a text box containing the URL 'https://b.socrative.com/teacher/#im'. Below the text box, there is a paragraph of text: 'Allows anyone with the import link or SOC code to directly import a copy of this quiz into their library.'

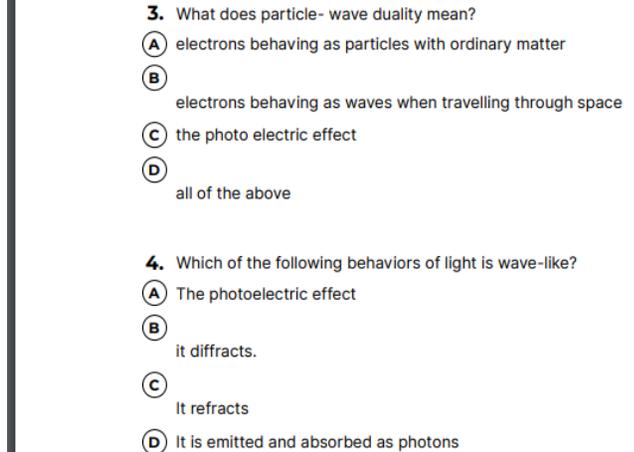


INFORMATIONS COMPLÉMENTAIRES

Jetez un oeil à l'exemple:



The screenshot shows a Socrative quiz titled 'Wave-Particle Duality'. The Socrative logo is in the top left corner. The title 'Wave-Particle Duality' is in the center. Below the title, there are two questions. Question 1: 'The wave-particle duality of light describes light as...' with options A) A wave only, B) A particle only, C) Both a wave and a particle, and D) Neither a wave or a particle. Question 2: 'Only the wave theory of light offers an explanation for the ability of light to exhibit...' with options A) Diffraction, B) Reflection, C) Illumination, and D) photoluminescence. On the right side, there are fields for 'Name', 'Date', and 'Score'.



The screenshot shows a Socrative quiz titled 'Wave-Particle Duality'. The Socrative logo is in the top left corner. The title 'Wave-Particle Duality' is in the center. Below the title, there are two questions. Question 3: 'What does particle- wave duality mean?' with options A) electrons behaving as particles with ordinary matter, B) electrons behaving as waves when travelling through space, C) the photo electric effect, and D) all of the above. Question 4: 'Which of the following behaviors of light is wave-like?' with options A) The photoelectric effect, B) it diffracts., C) It refracts, and D) It is emitted and absorbed as photons.