



 Britannica[®] Library

Light and Sound

A Britannica Library Digital
Scavenger Hunt for **Kids**



Introduction

Science combines student experiences and observations to help them answer interesting and important questions about the biological, physical and technological world.

- Australian Science Curriculum

"Light and Sound" is a science-themed scavenger hunt to help children explore the contents and tools of Britannica Library while gaining Scientific knowledge and skills.

Digital scavenger hunts are a great way for learners of all ages to practice problem solving, improve their reading and comprehension skills, and have a lot of fun!

This activity book is suitable for learners aged 6 to 12. It can be completed at the library or at home.



Greetings Explorer!

You are about to embark on an important journey to discover **Britannica Library**.

The Britannica Library "Kids" homepage is a mysterious place full of interesting facts. It is your mission to track them down!

Let's go!

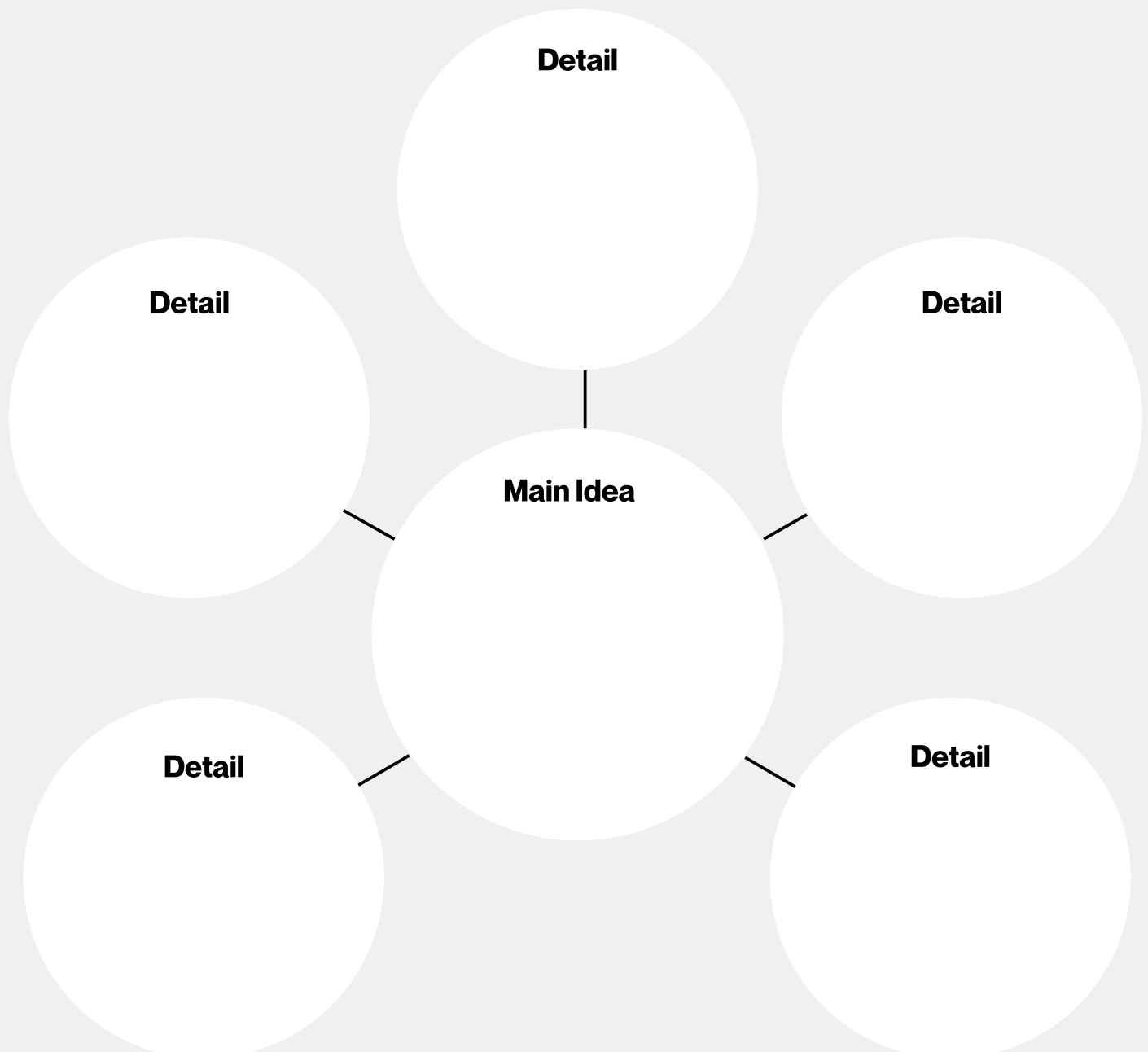


Task 1: Keyword Search



Go to the **Britannica Library** homepage. Now click on the **Kids** level. Start exploring the Kids Homepage.

Locate the **Search Box** and type the word 'light' into the box and press **Enter**. Open the first article in the results, use the information to create a **Main Idea Web**.



Task 2: Media - Light



Return to the Kids Homepage and click on **Media**. Then select the topic '**Science & Mathematics**', the subtopic '**Physical Sciences**' and finally '**Physics**'.

Open the image titled '**Light: Light and Reflection Properties**' and use it to explain how light is reflected using the chart below.

What is the source of light?

What happens when light hits a window?

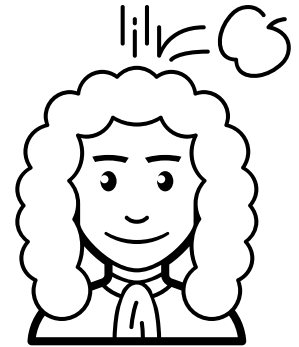
What happens when light hits an object?

What happens when light hits a mirror?

Task 3: Biographies - Isaac Newton



Return to the Kids Homepage and click **Biographies**. Navigate to the letter N and then scroll down the list until you find the biography of **Isaac Newton**.



Create a biographical profile for one of the greatest figures in the history of science.

Name:

Date of Birth and Death:

Specialised In:

Best Known For:

Portrait: (Draw Isaac Newton)

Early Life:

Career:

Task 4: Article - Sound



Return to the Kids Homepage and click **Articles**. Select the topic '**Science and Mathematics**', then the subtopics '**Physical Sciences**' followed by '**Physics**'. Scroll down the article list until you find the article titled '**Sound**'. (HINT: The article starts with S and appears quite far down the list.)

Use the article to answer the following questions.

What is sound?

What are some examples of sounds?

Describe the 3 things that happen when a sound is made and heard.

1



2



3

What is Pitch?

What is Intensity?

What is Quality?



Have questions?

To learn more about Britannica's resources and how we can support you, please email contact@eb.com.au or visit <https://elearn.eb.com>