

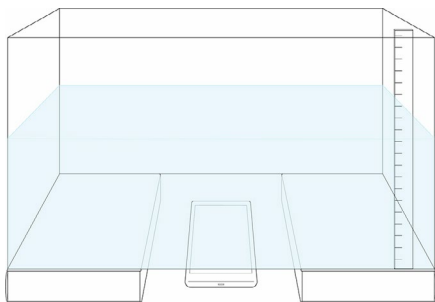
Depth and light



Details

What you need

- A smartphone with the Science Journal app installed
- Two large spacers (thick books)
- A large, clear plastic container
- A ruler or tape measure
- Water



Introduction

During this activity you will observe the link between depth and light. This activity uses the Science Journal app which makes conducting science experiments engaging and exciting.

Activity steps

1. Set up your equipment as shown in the diagram.
2. Open Science Journal app on your phone and select light sensor.
3. Press record and slide light sensor under the container of water.
4. Add 2cm of water to the container. Then remove the smart phone and stop recording.
5. Make a note of the minimum exposure value and predict what the exposure value will be if another 2cm of water is added.
6. Repeat the recording process and make a note of the minimum exposure value each time, continuing until you have added 10cm of water.

Summary question

Coral, like plants, make their own food using sunlight. Coral are also very sensitive to temperature. If coral get too hot they can die.

Imagine that we have the same type of coral at different depths: shallow, medium-depth, and deep water. Circle which would grow best.

SHALLOW

MEDIUM-DEPTH

DEEP

I think this because....

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