Shadow in motion

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LIGHT AND
SHADOWS
KIDS
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Students come forward to demonstrate





Students are given examples from which each student chooses one to show on the board



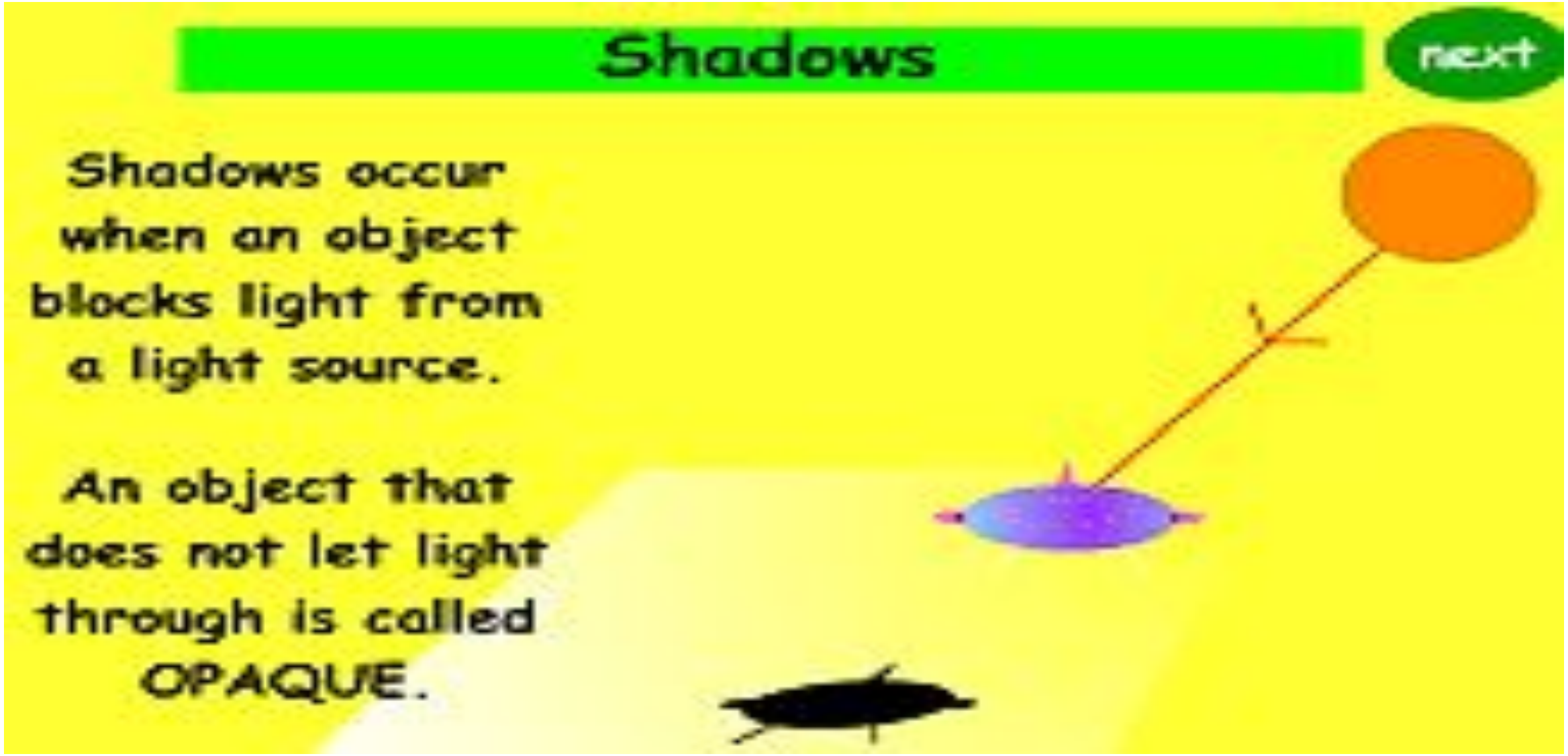




The concept of shadow and the conditions of its creation



The concept of shadow and the conditions of its creation



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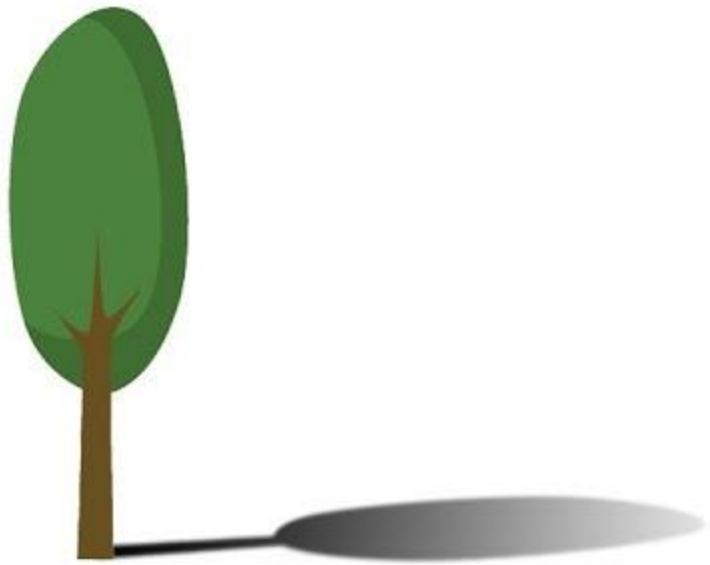
EARLY INNOVATORS

Light & Shadows







Light and Shadows

Light travels from its source in a **straight line** in the form of **rays**. When light is blocked by an object at some distance, a shadow is formed behind the object.



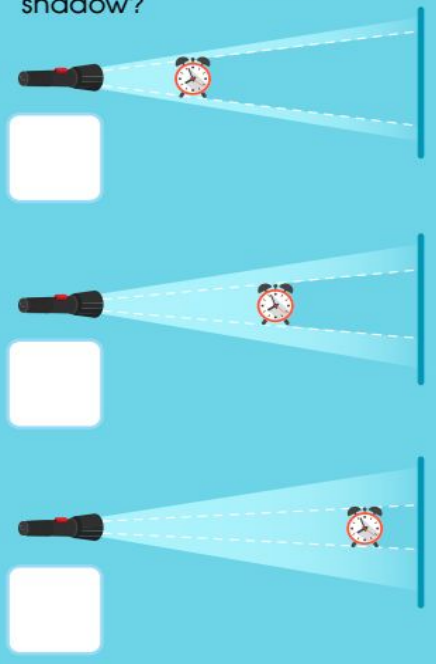
The closer an object is to a source of light, **the bigger** its shadow is.



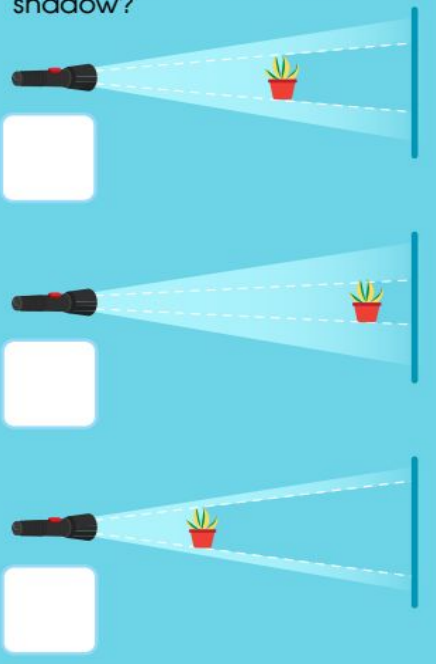
The farther an object is from a source of light, **the smaller** its shadow is.

Answer the questions. Check the correct boxes.

1. In which position will the clock cast the biggest shadow?



2. In which position will the cactus cast the smallest shadow?



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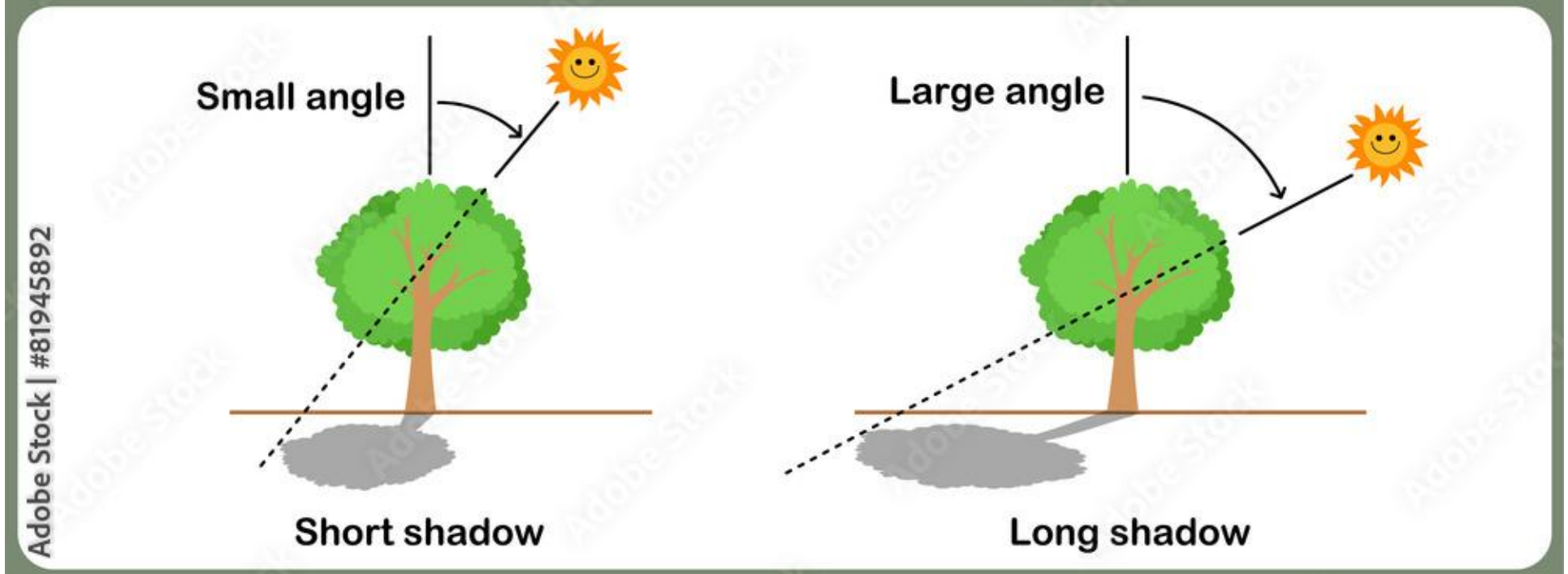
Conditions affecting the shape and size of the shadow

Light and Shadows





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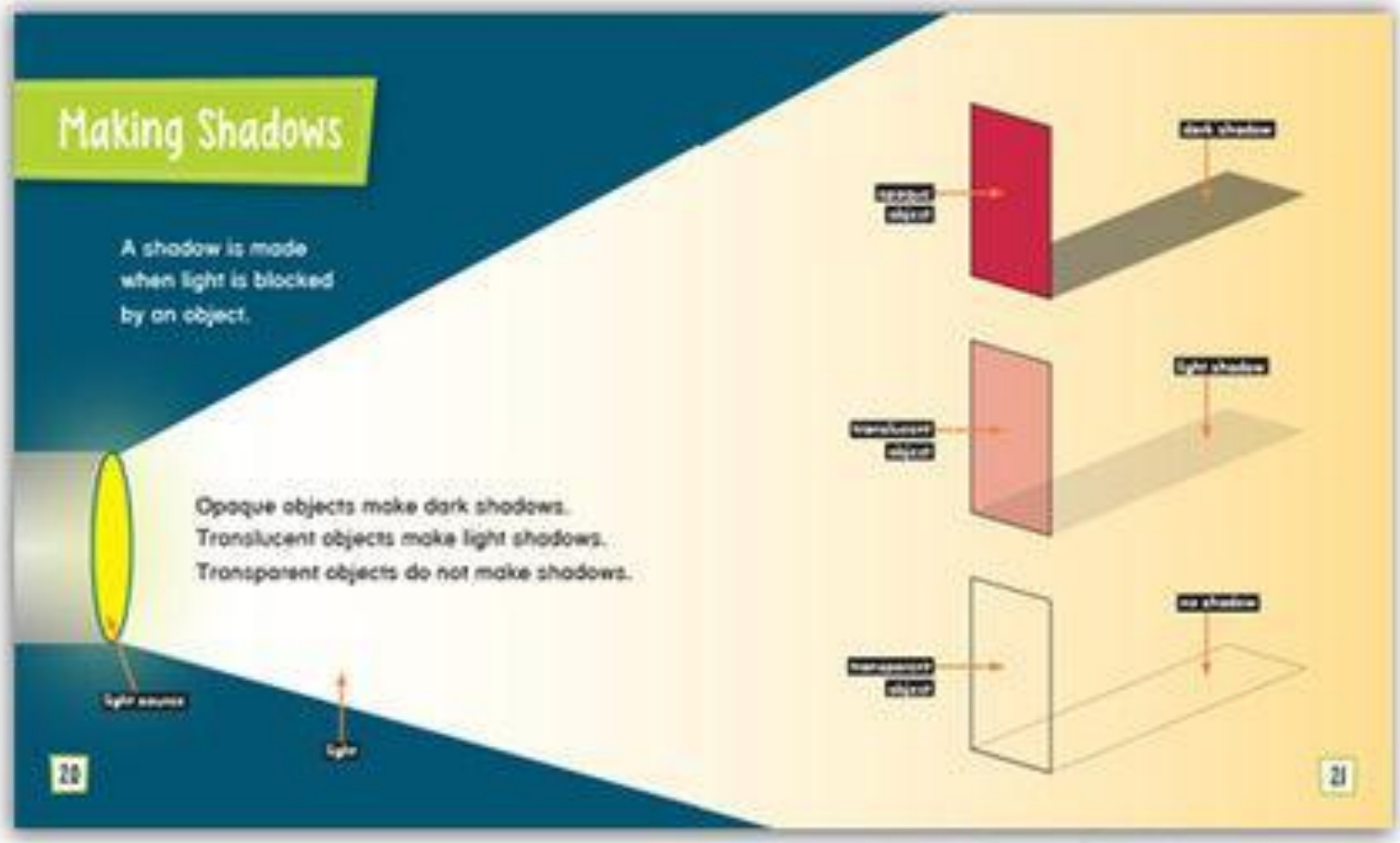
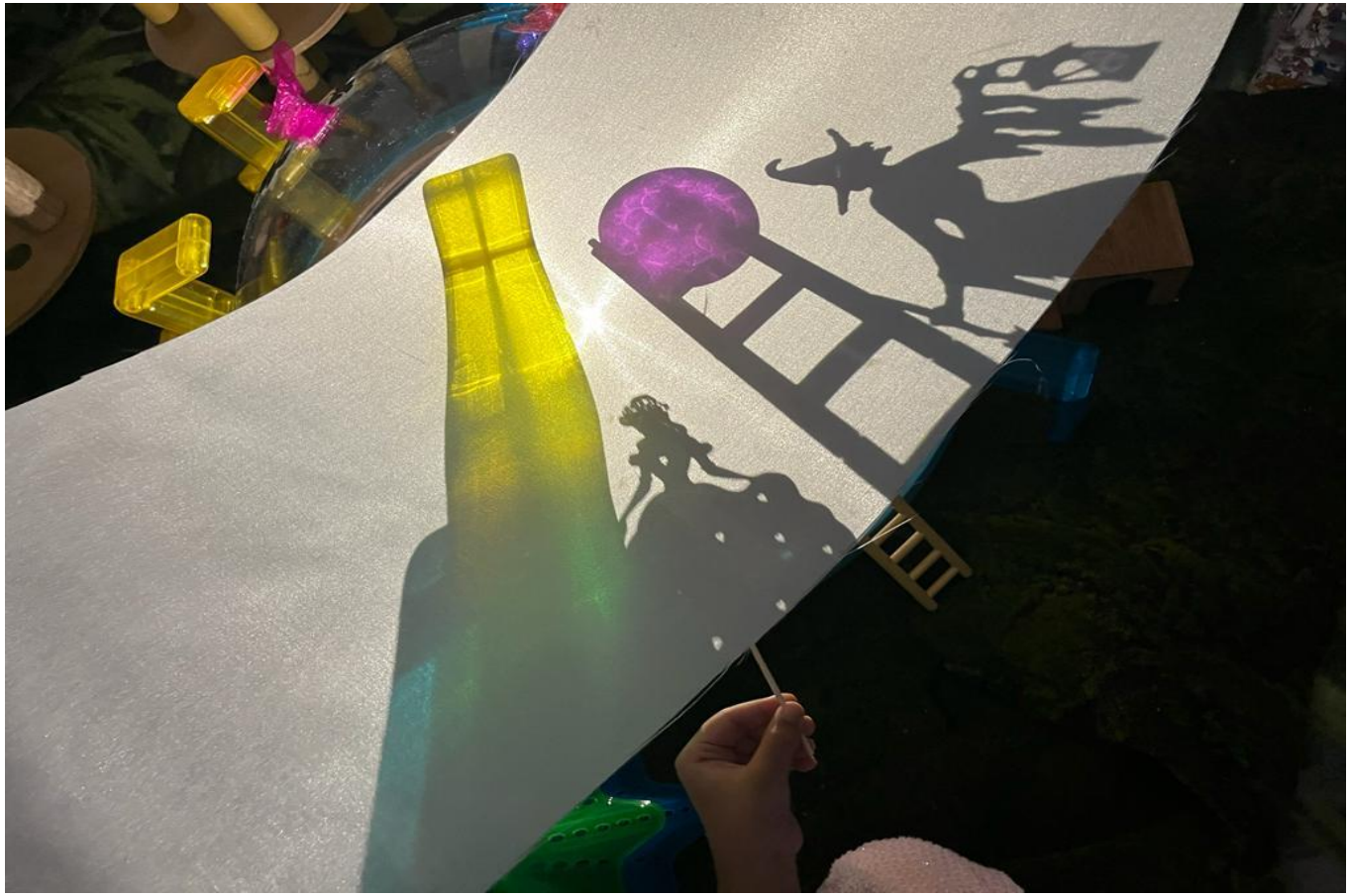
Transparent and opaque materials - shadow and semi-shadow



(How Light Travels, **STEM Explorations***)*

Application of penumbra





Creating characters for shadow theater.

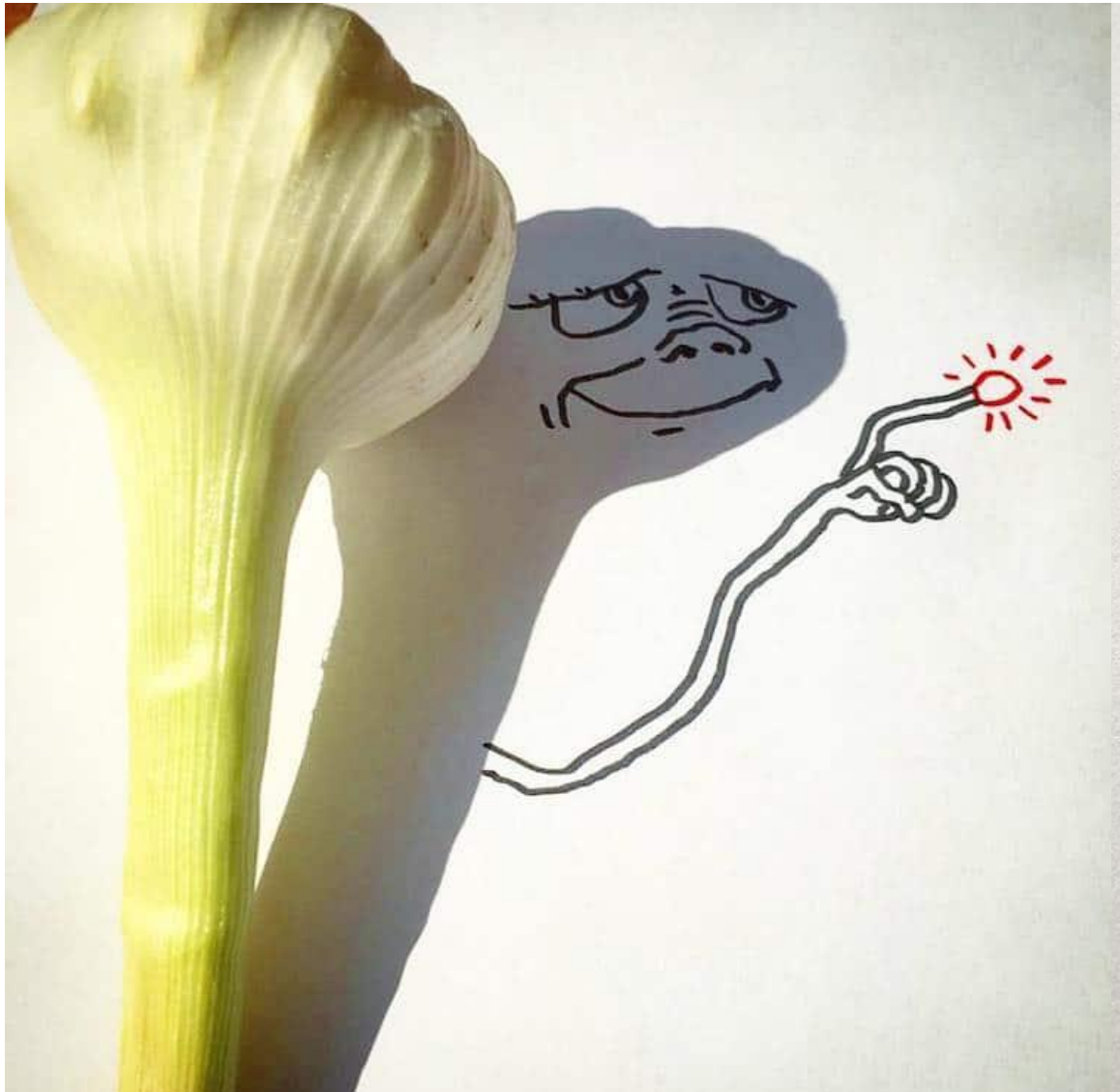


1st group

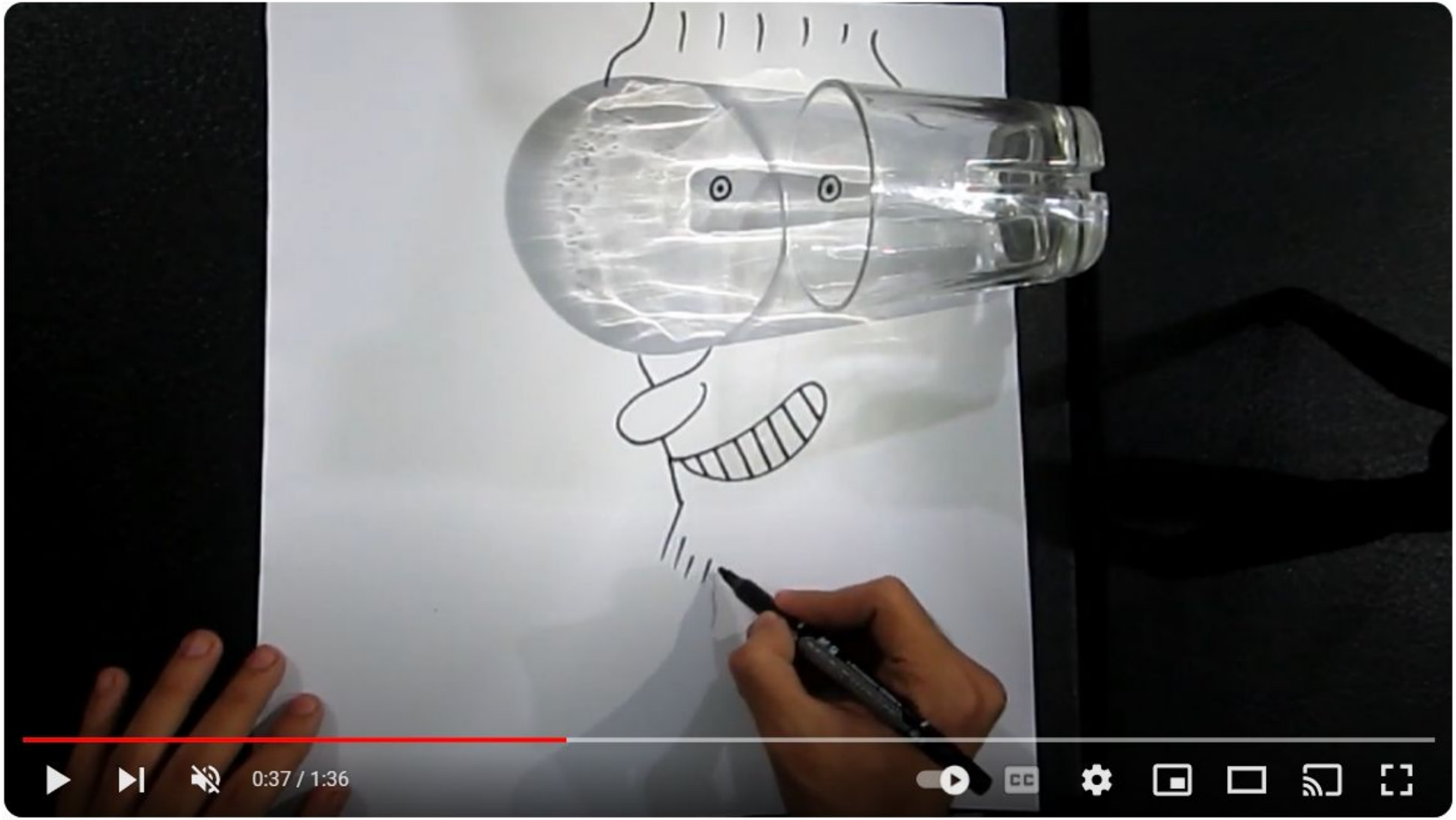
Students read the given motifs on transparent foil. after that, using a black and white background, students observe the influence of the amount of light on the visibility of objects.



2nd group (Work and homework)
Students create art installations by combining realistic shadow objects a drawing.







https://www.youtube.com/watch?v=C1AGn7eqYgA