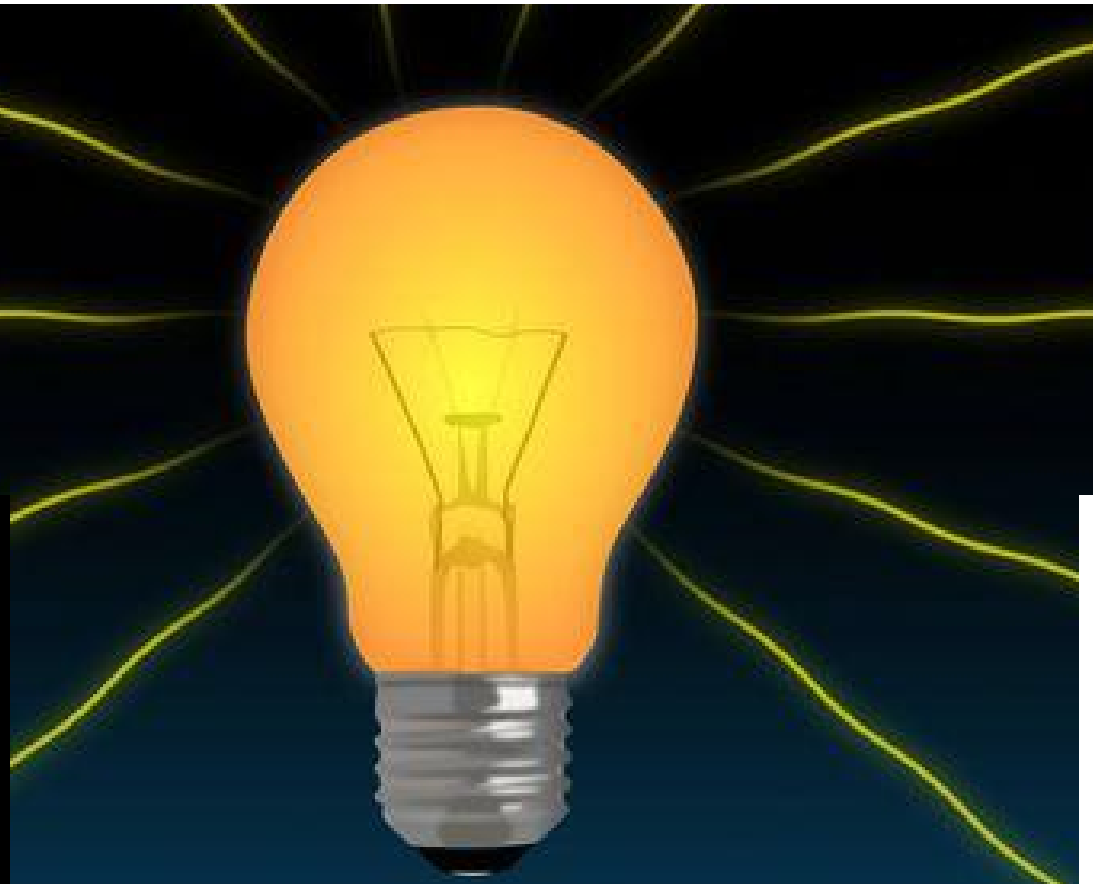


LIGHT ENERGY







KASADHA ABBEY
0772 509594

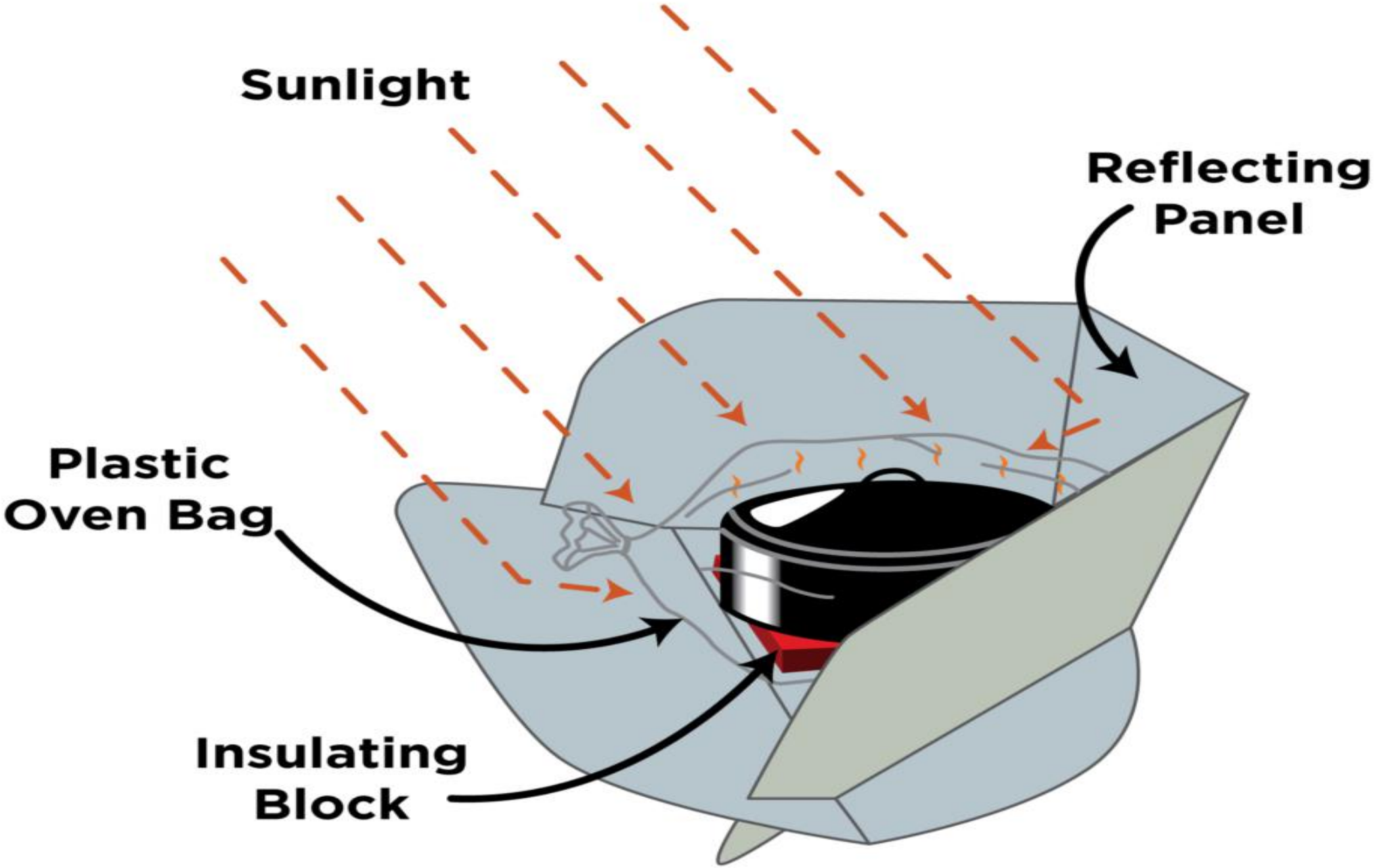


A parabolic solar cooker



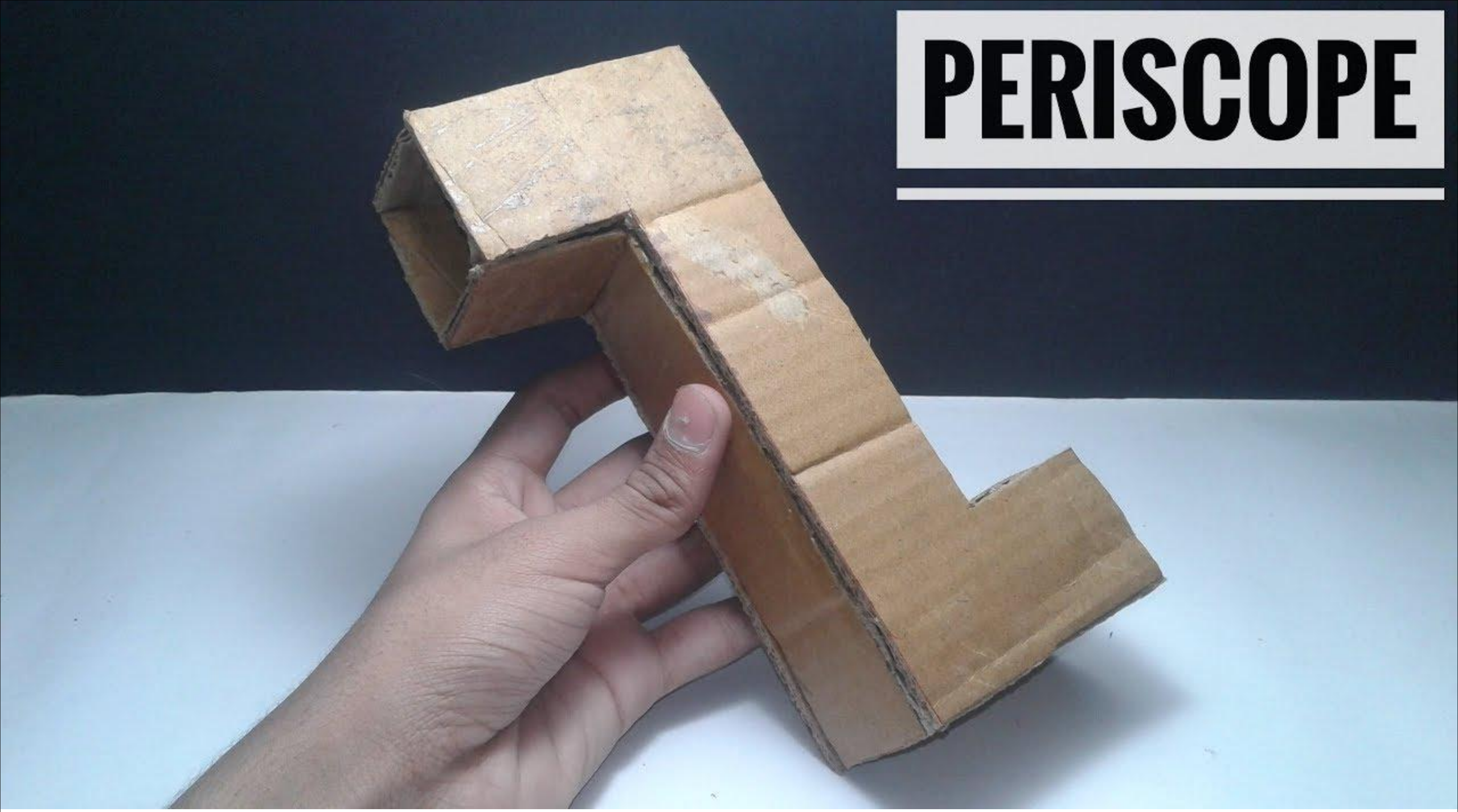




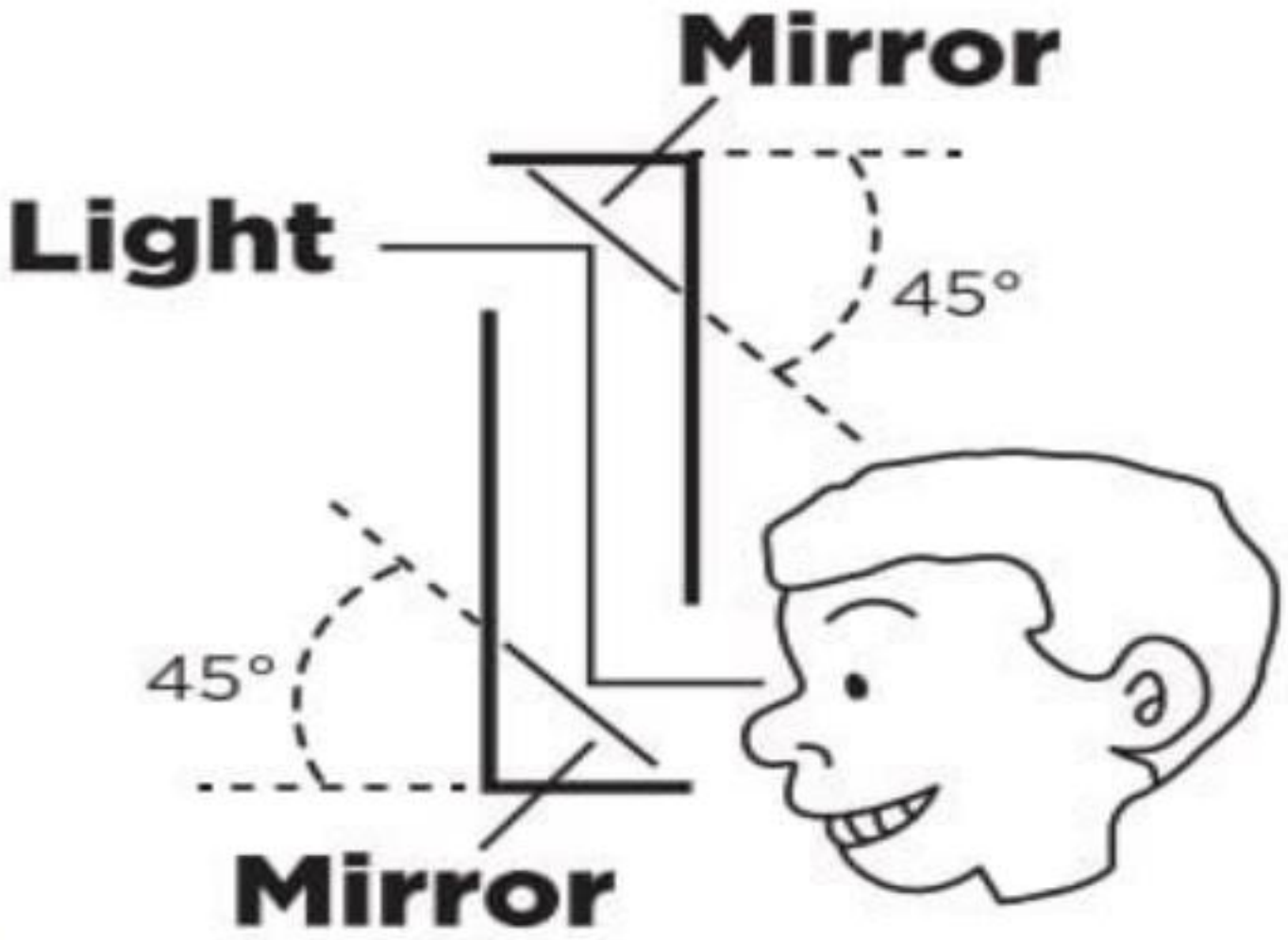

Sunlight
Reflecting Panel
Plastic Oven Bag
Insulating Block



PERISCOPE



A periscope

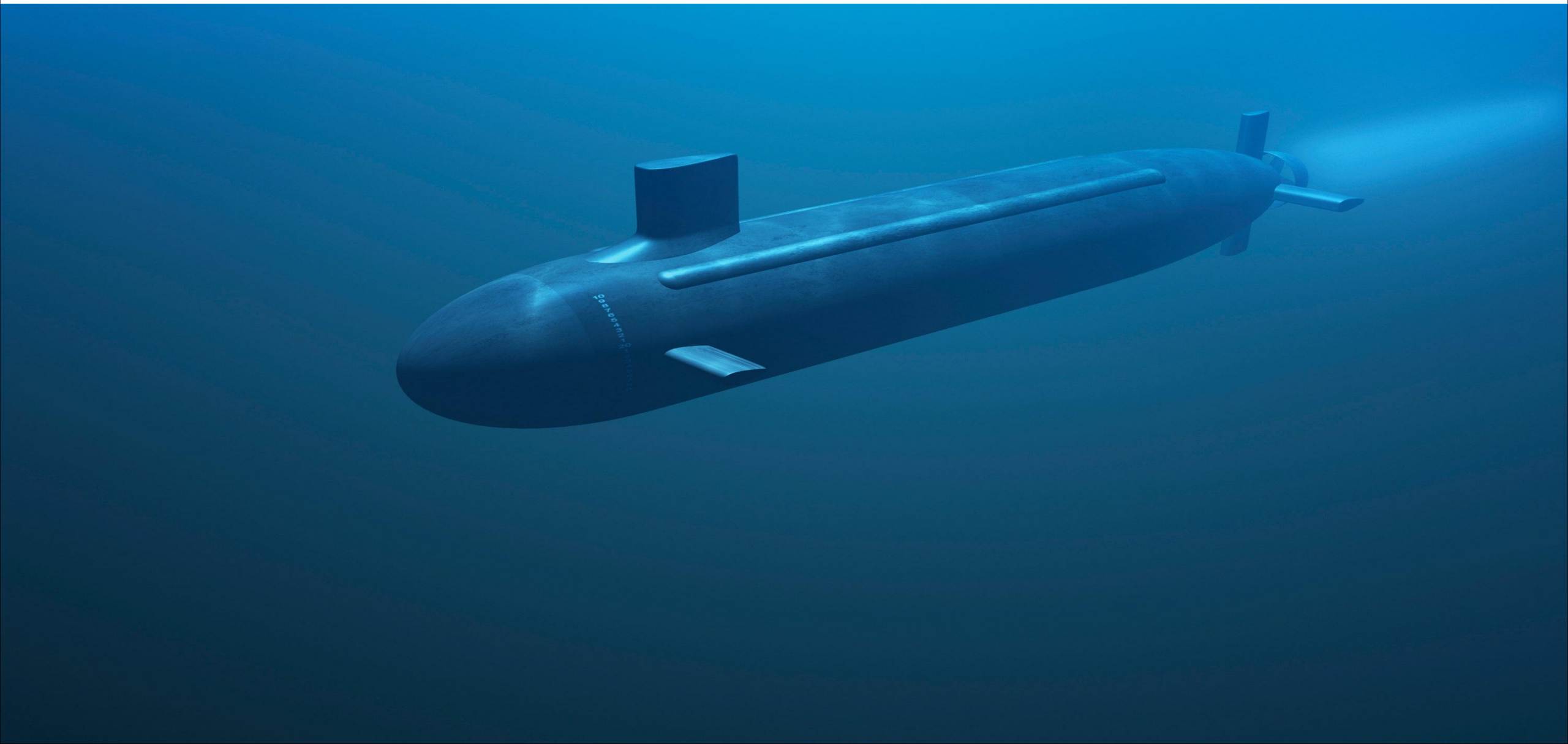


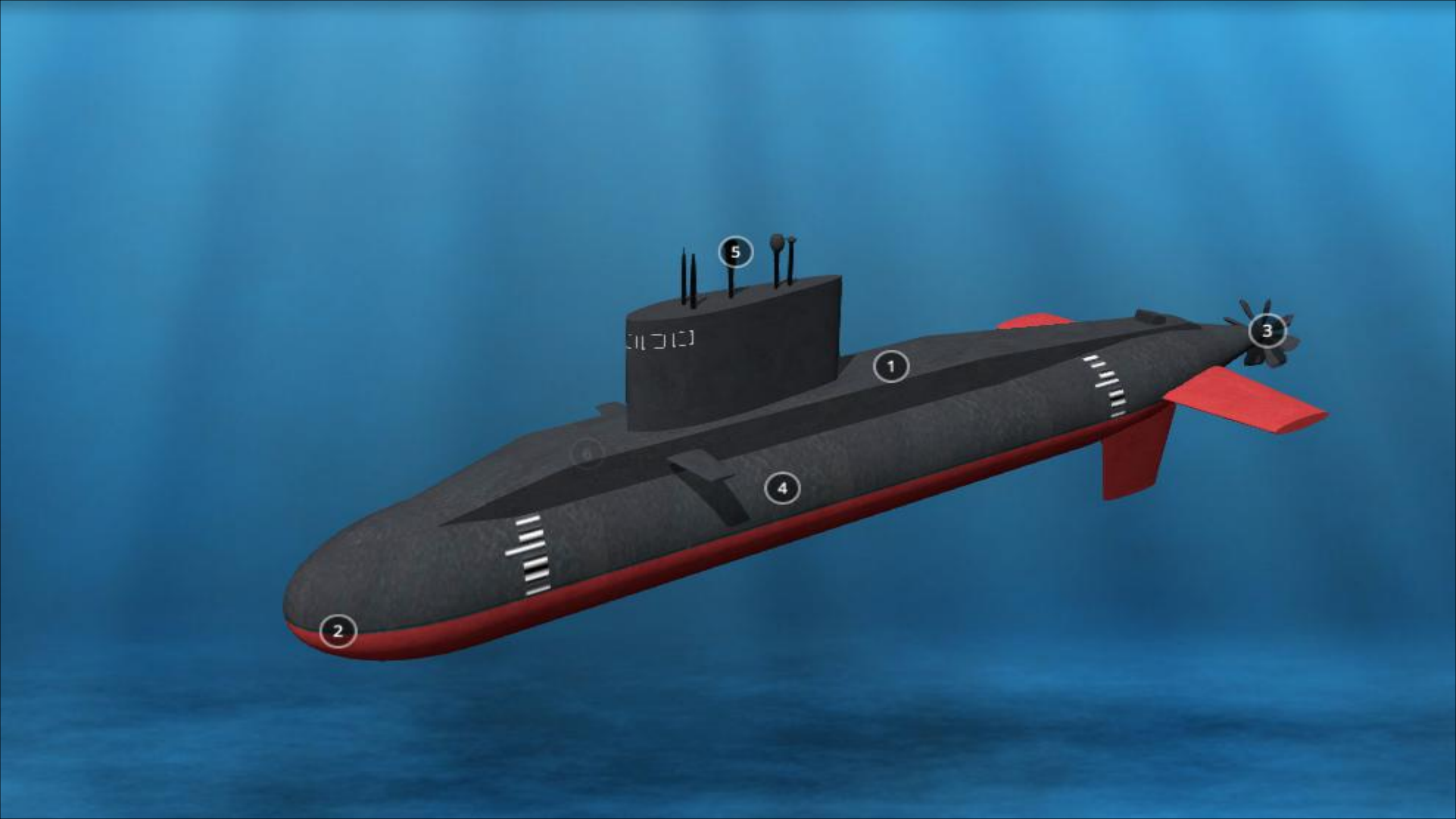
http://www.exploratorium.edu/science_explorer/periscope.html

Uses of a periscope

- It is used by submarines to see ships on the water surface
- Used by soldiers to see enemies ahead without exposing their heads
- Periscopes are used to see around cornesr

A periscope is used in submarines to see ships at the water surface




5
1
3
4
2

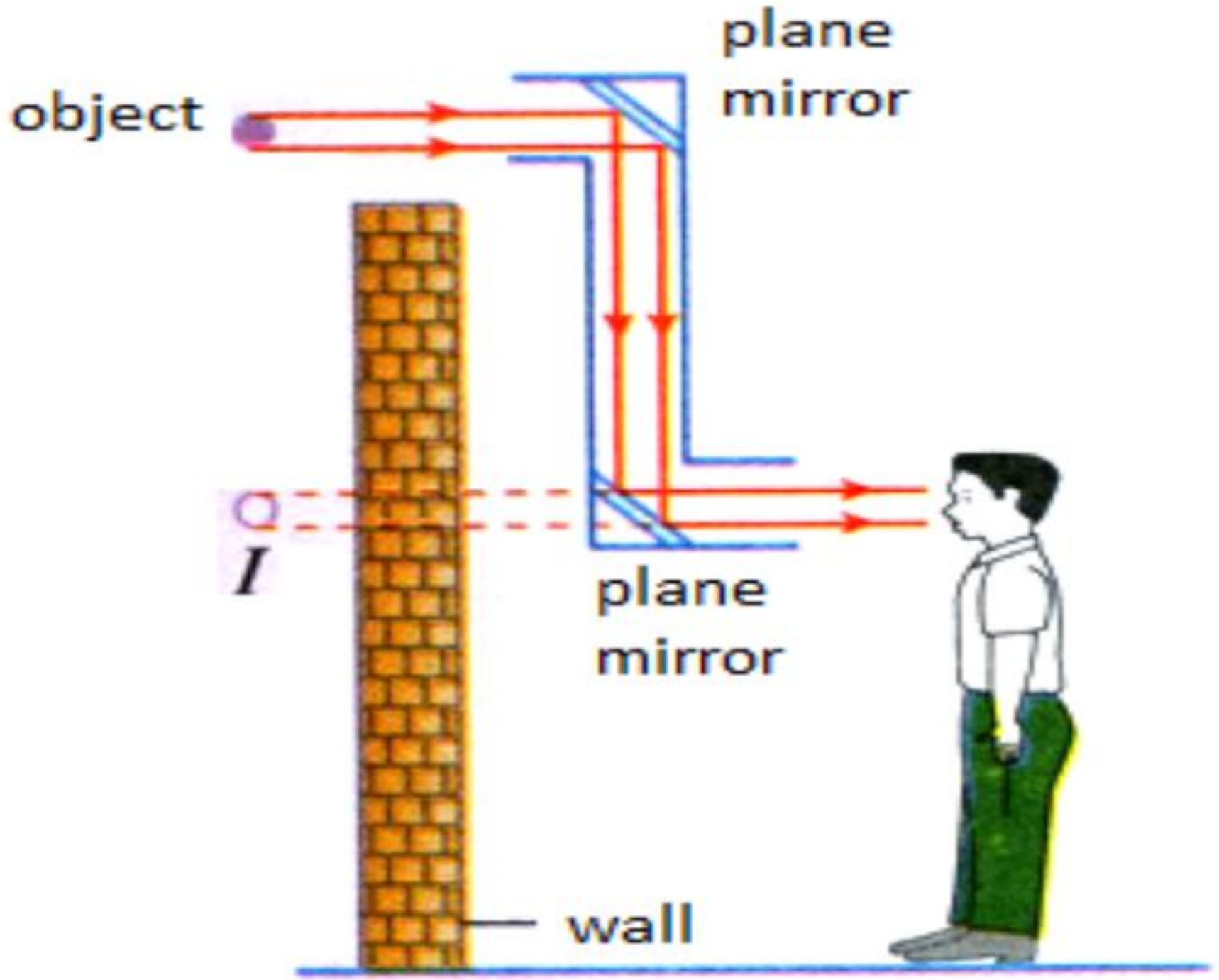


A periscope is used by soldiers to see their enemies without exposing their heads





Mt. Porchia - Italy

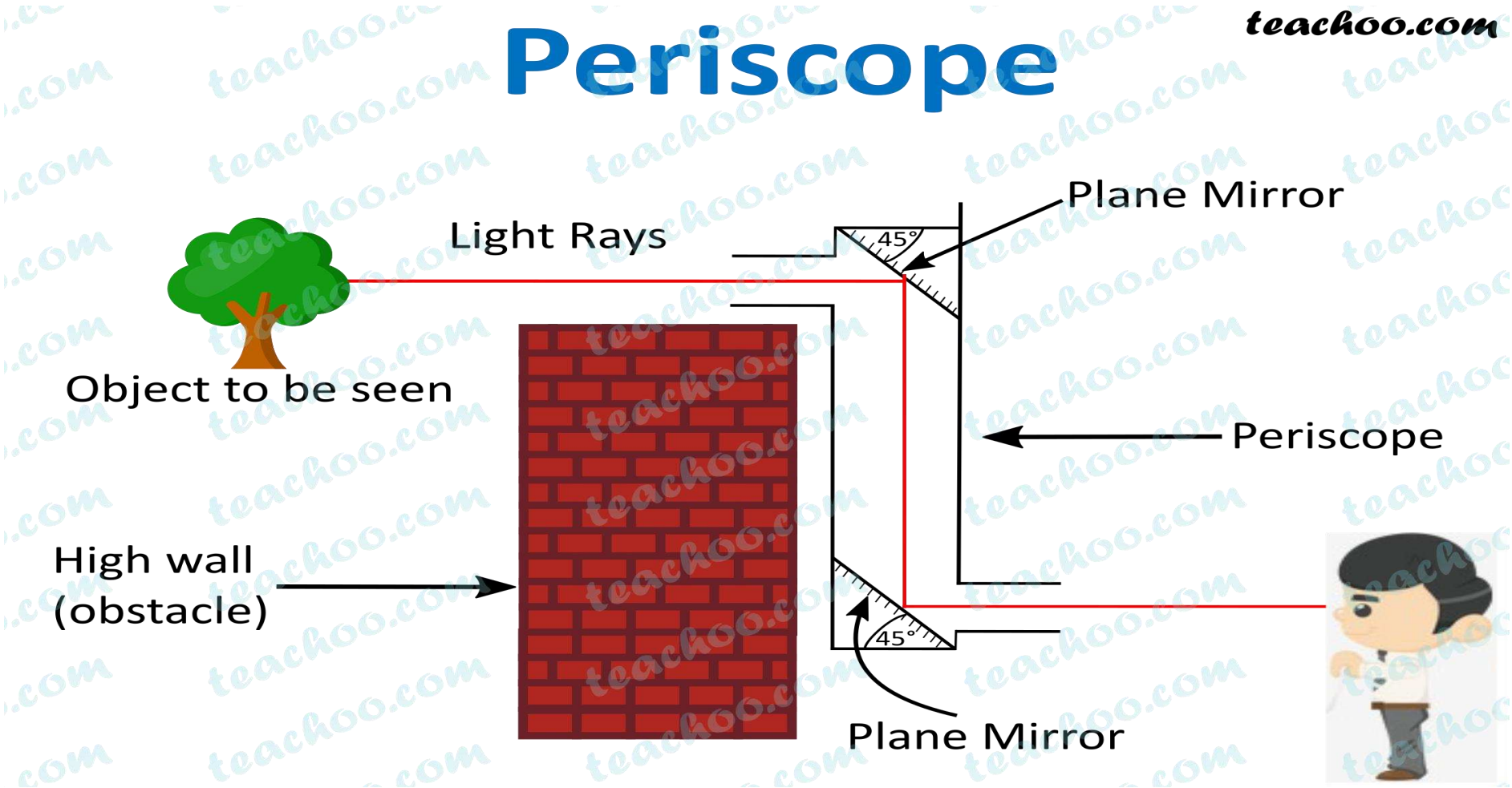

plane
mirror
object
I
plane
mirror
wall

A periscope is used to see around corners



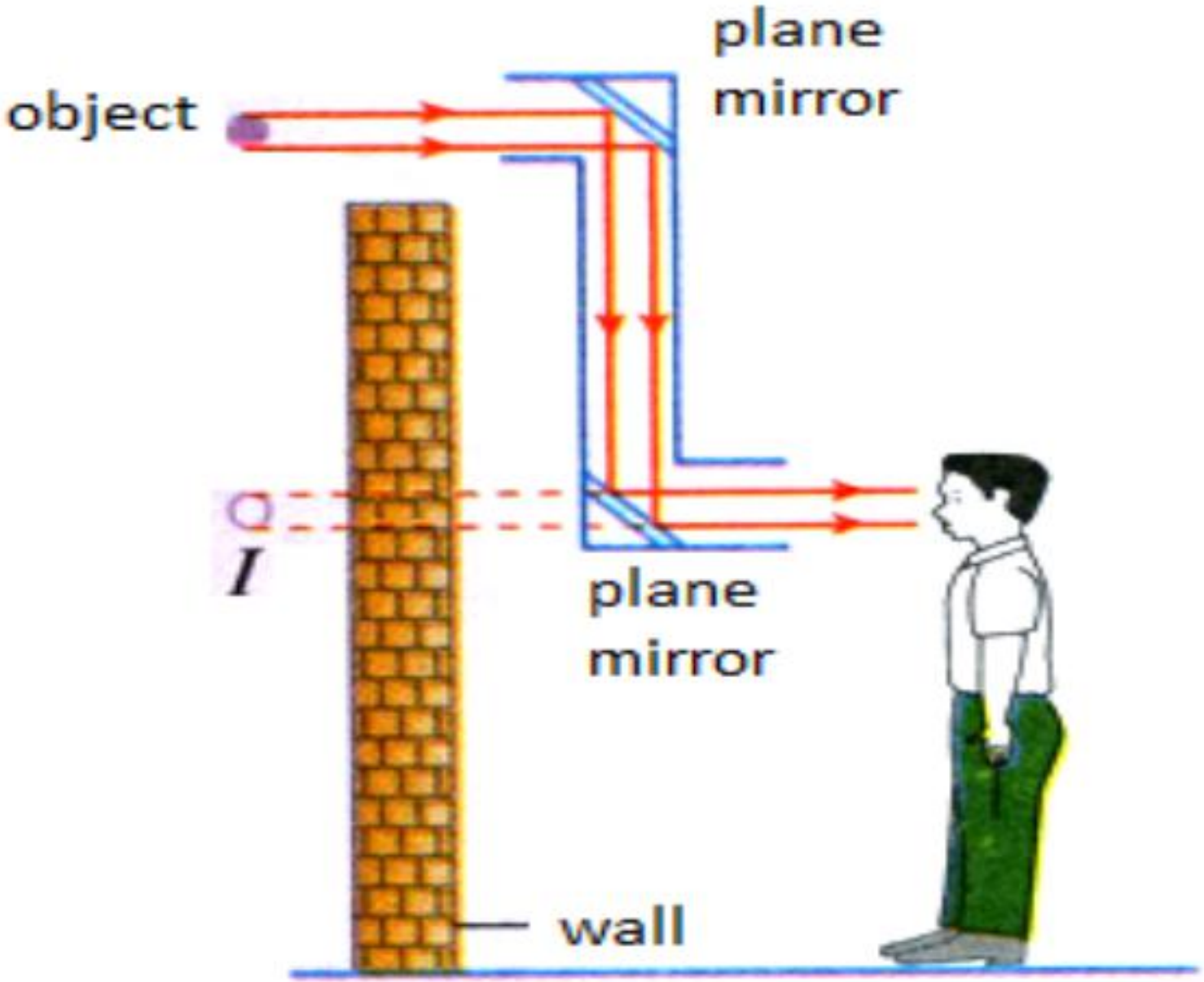


Under which principle of light do periscopes operate

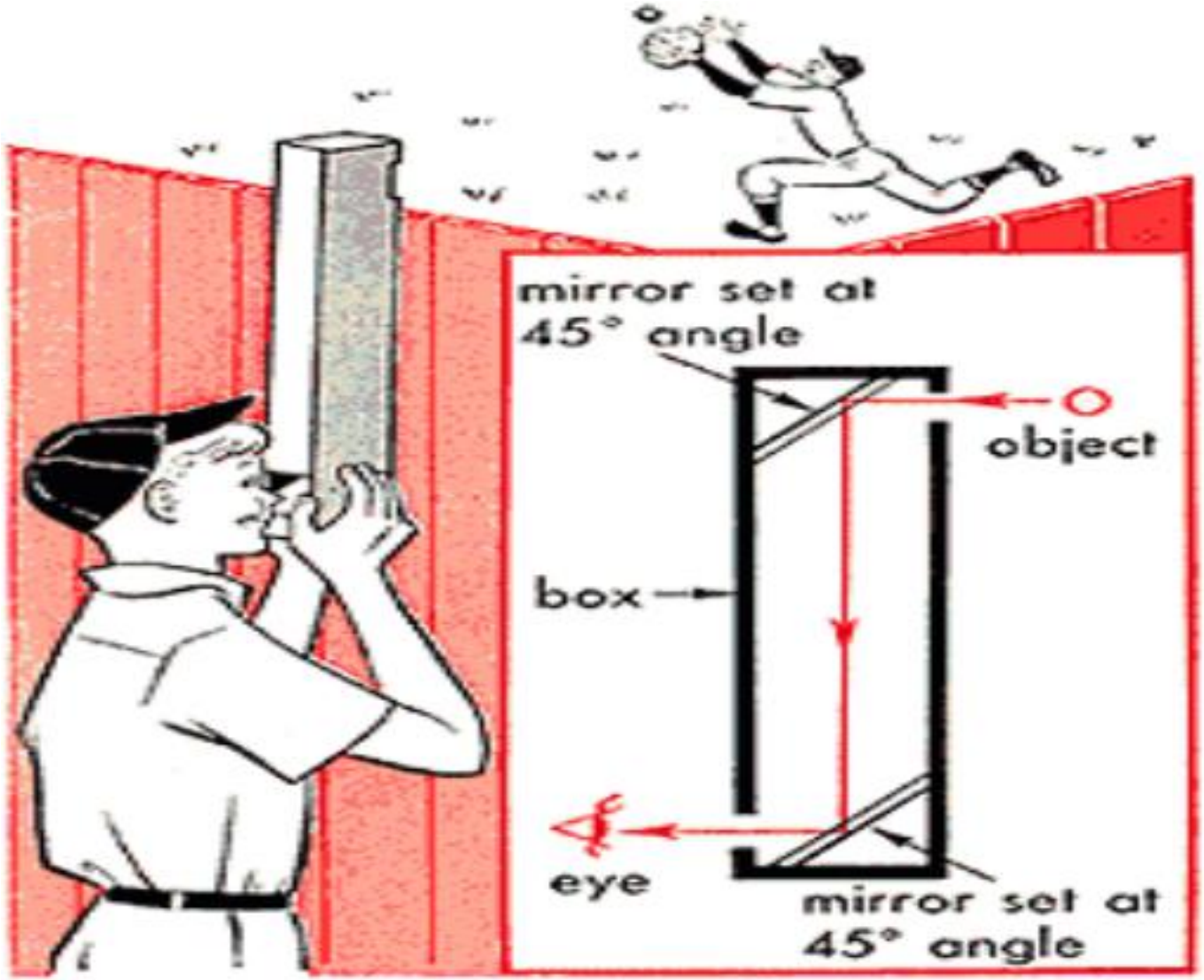


Light can be reflected

Periscopes use plane mirrors



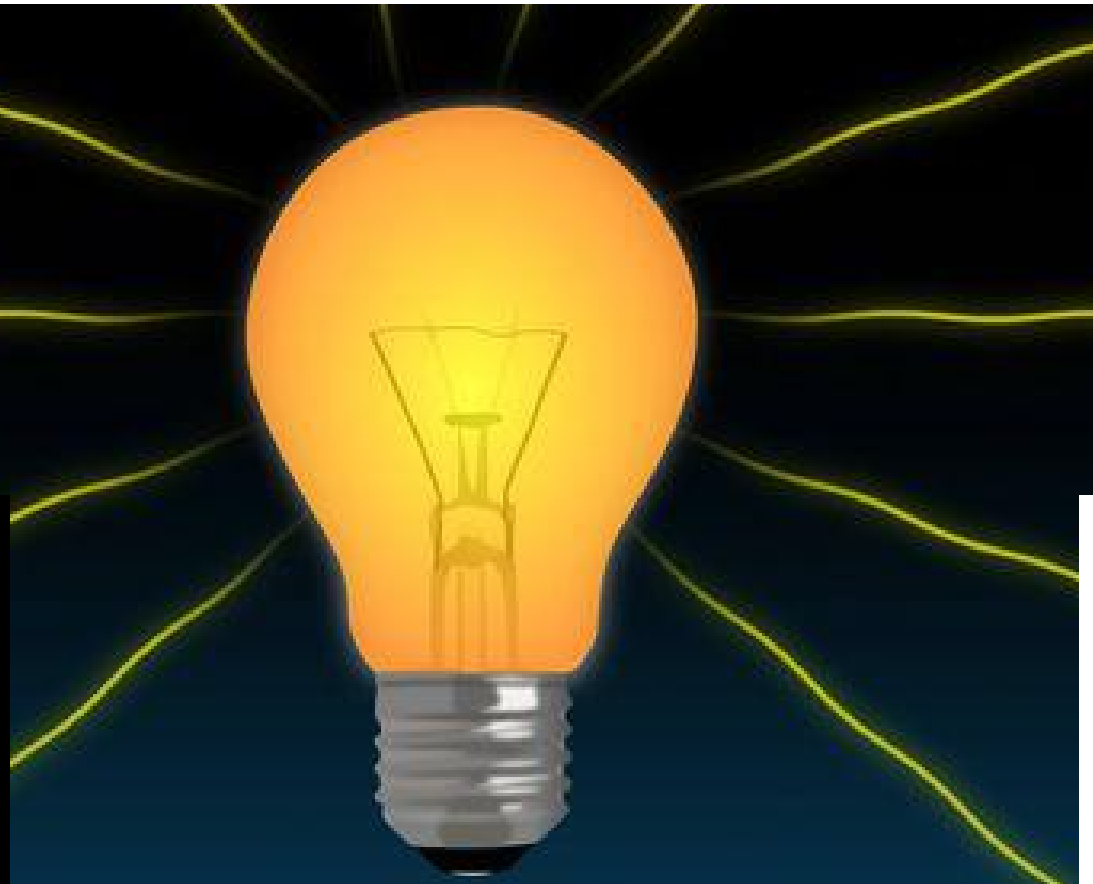
Mirrors in periscopes are put at an angle of 45 degrees





LIGHT ENERGY







KASADHA ABBEY
0772 509594

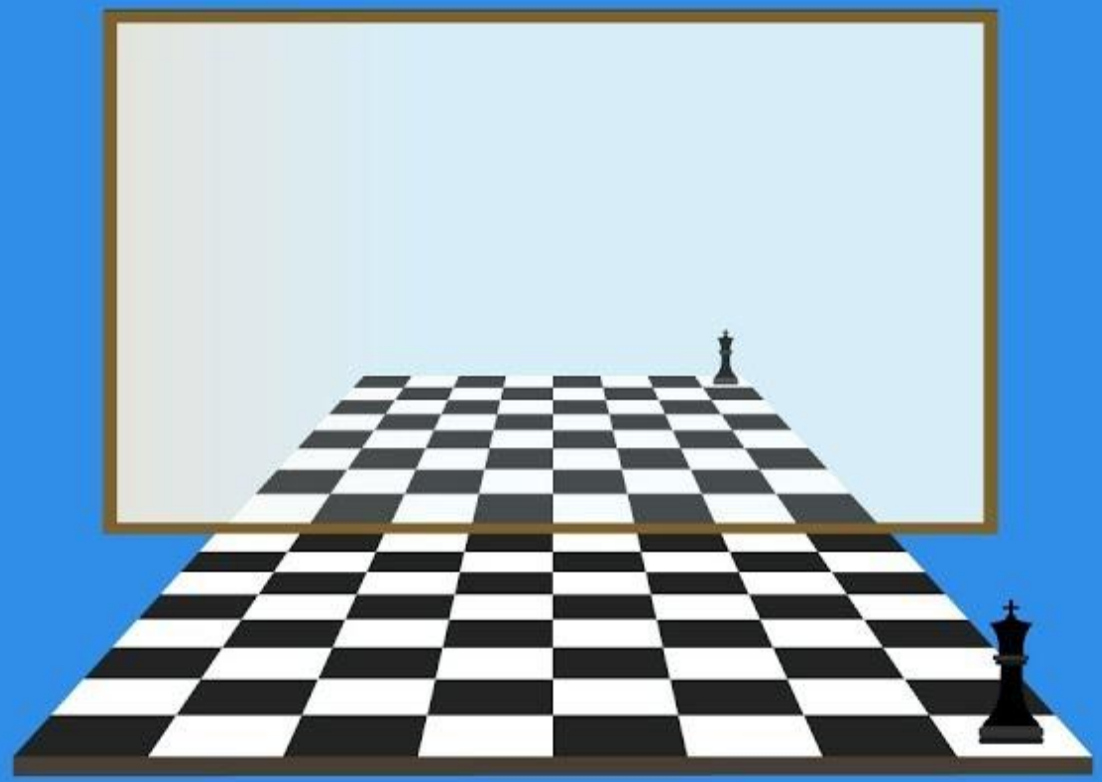


PLANE MIRRORS



PLANE MIRROR

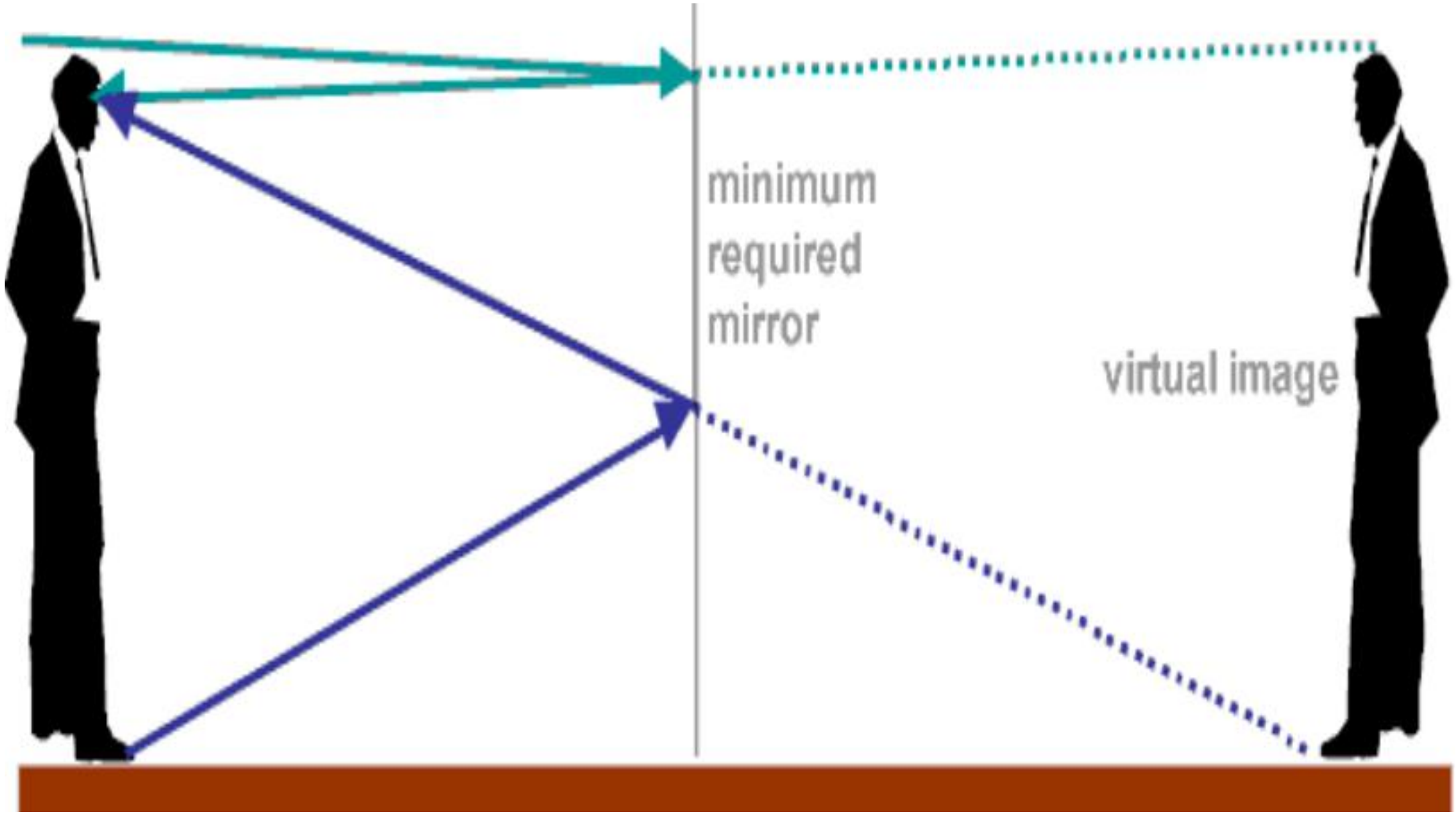
(IMAGE CHARACTERISTICS)



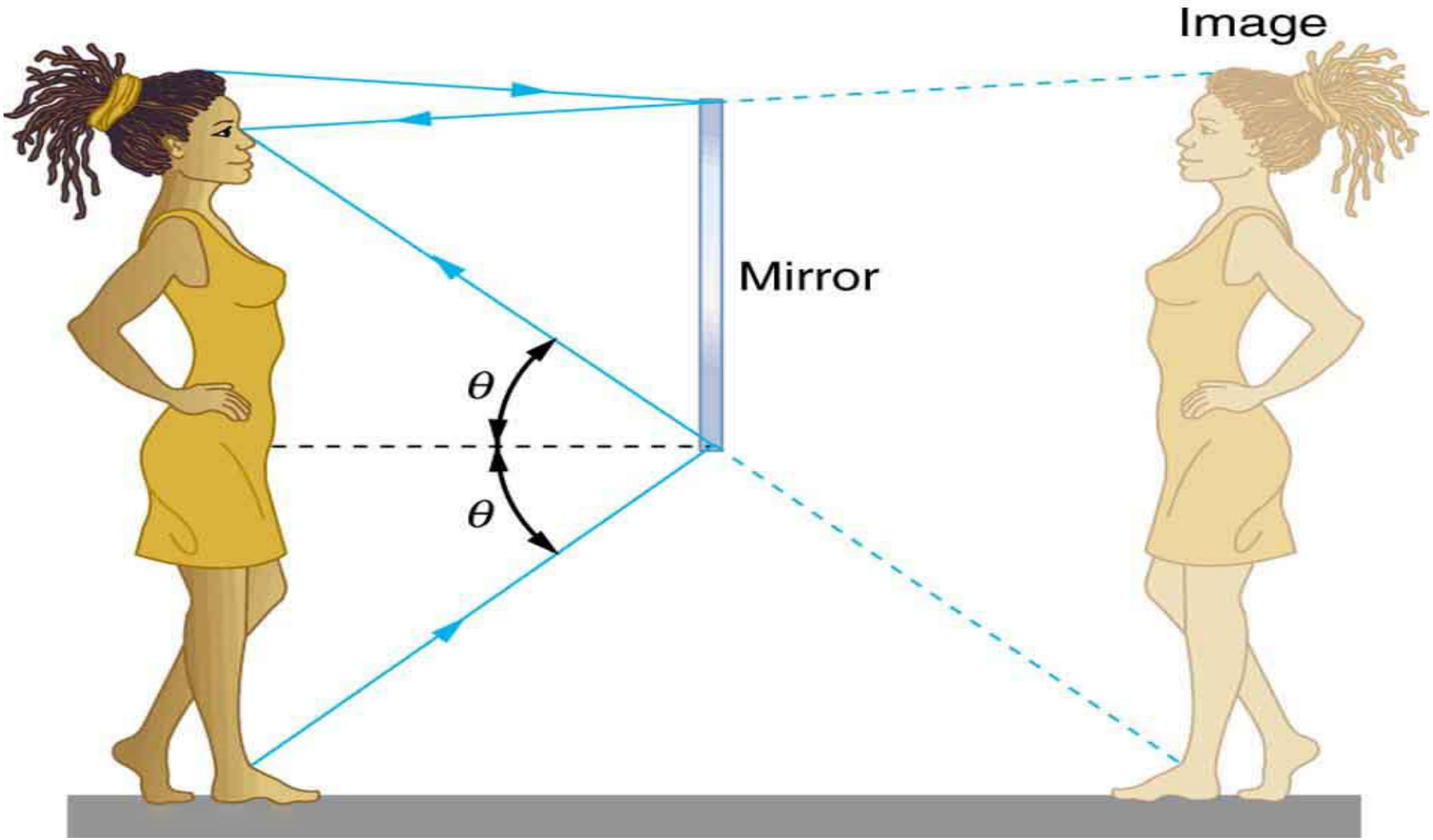
Characteristics of images formed by plane mirrors

- The image is upright
- The image is laterally inverted
- The image distance is equal to the object distance from the mirror
- The image is of the same size as the object
- The image is virtual / not real
- NB
- Virtual images are images that are not formed on the screen

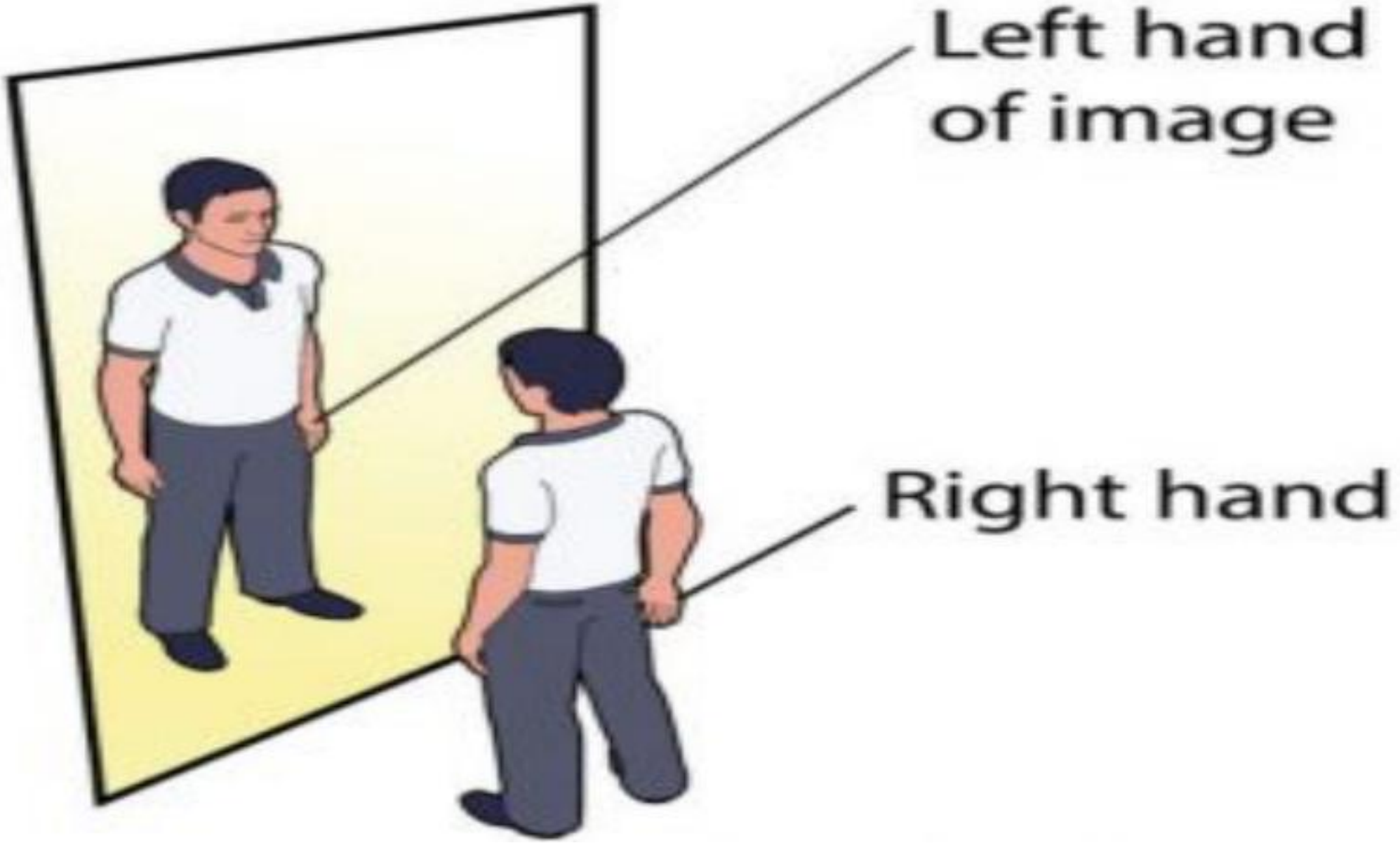
The image is virtual (not real)

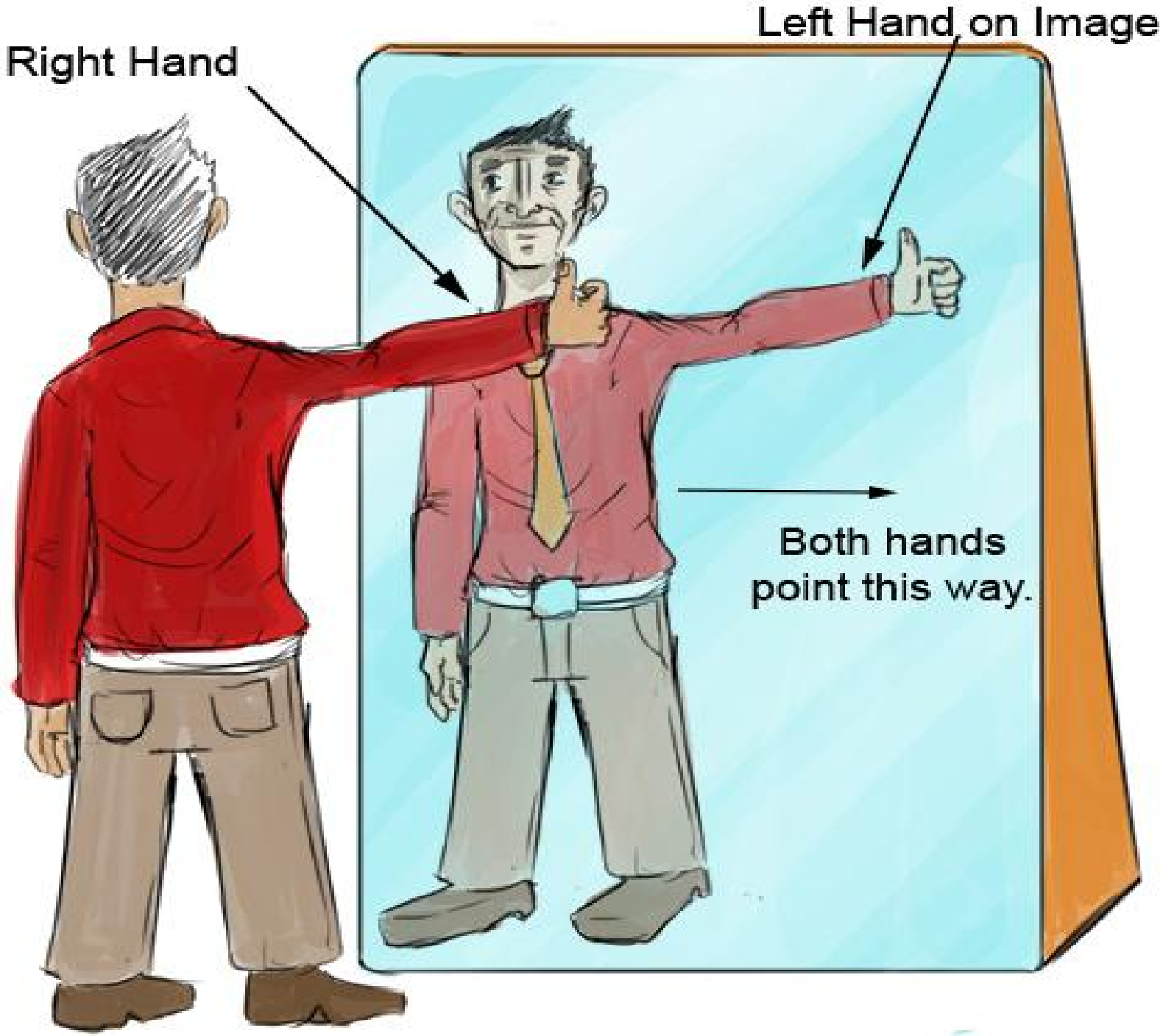


The image is upright



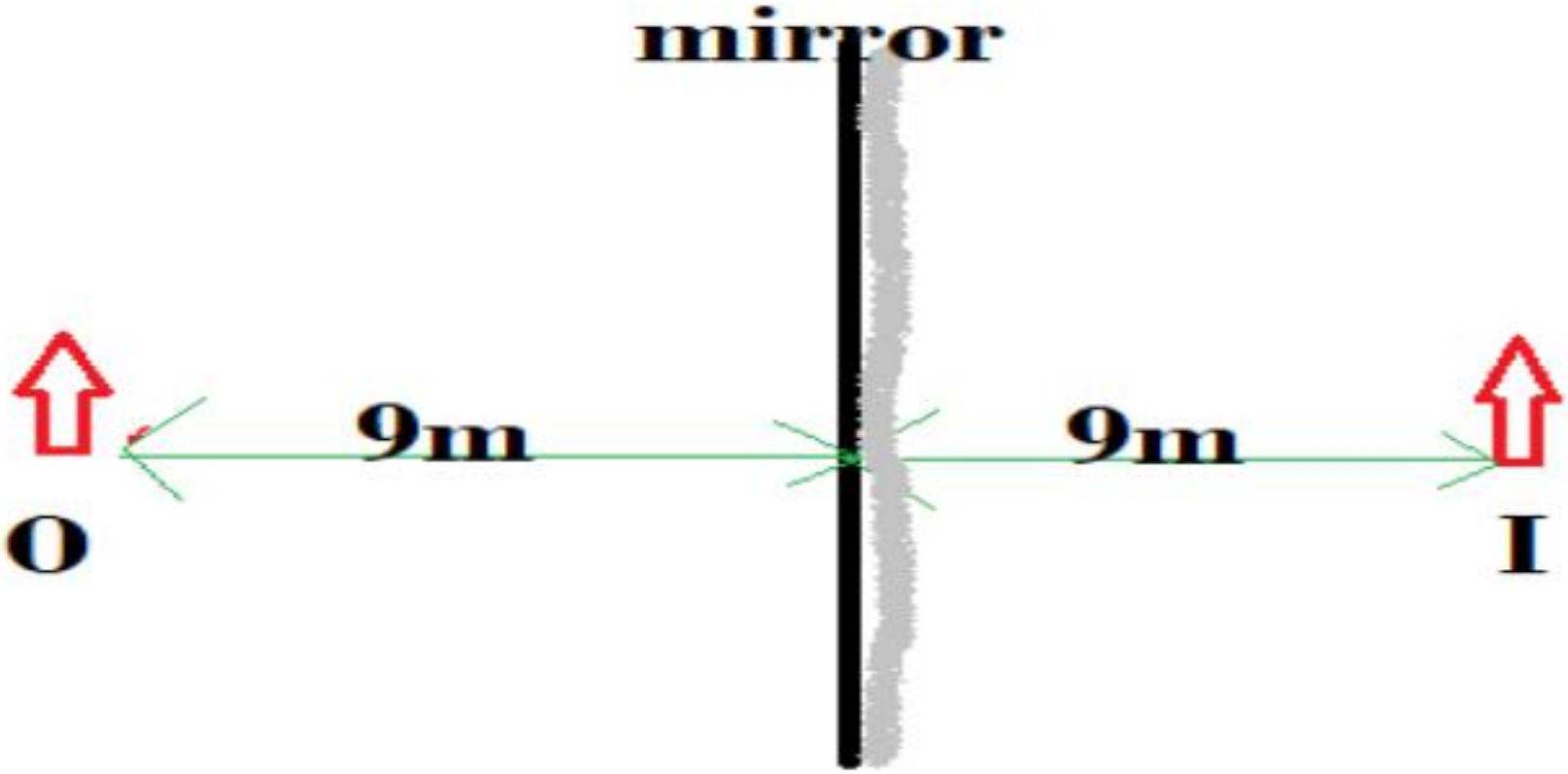
The image is laterally inverted



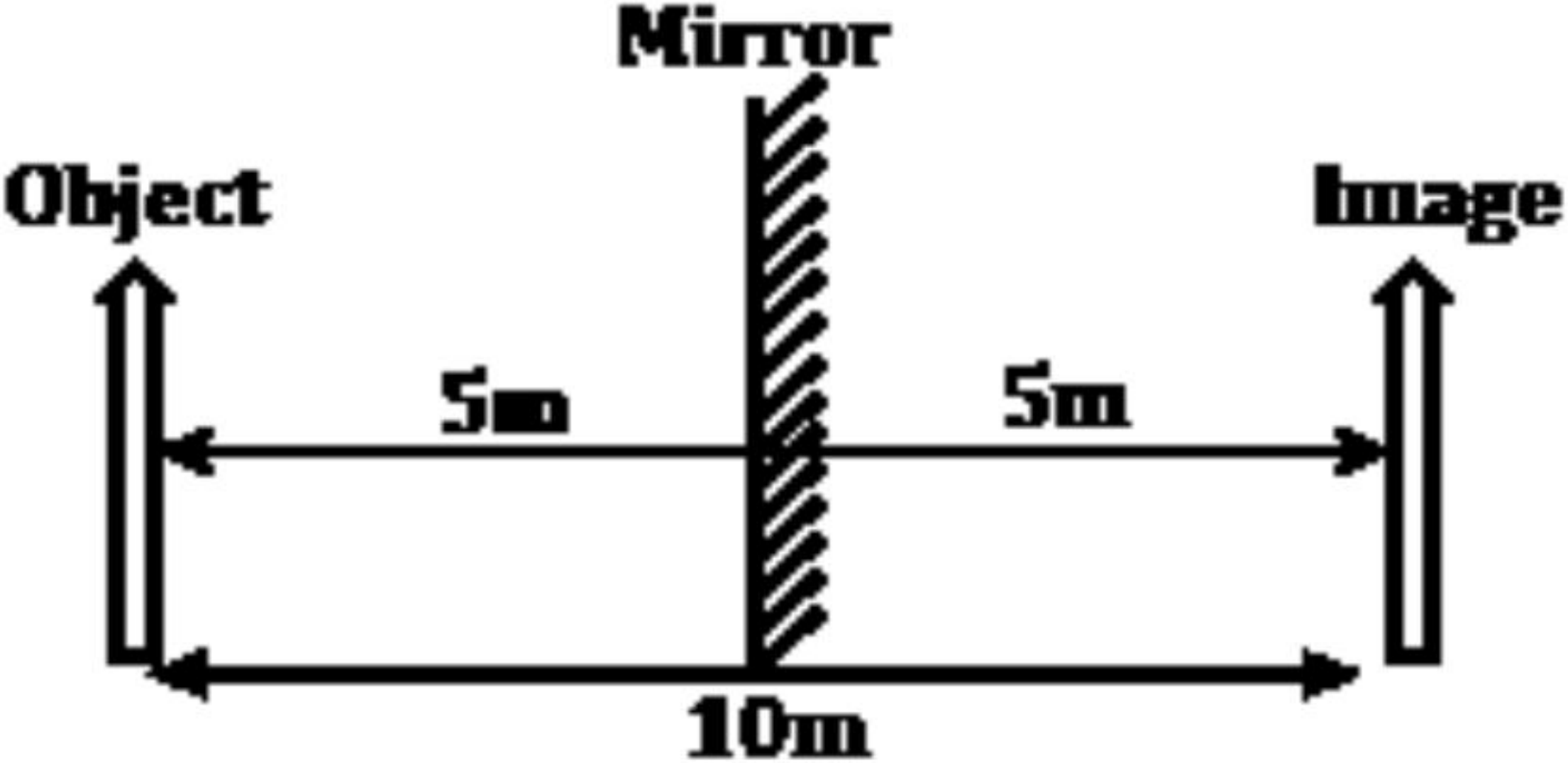

Left Hand on Image
Right Hand
Both hands
point this way.


BYJU'S
The Learning App
Right hand
Left hand
of image

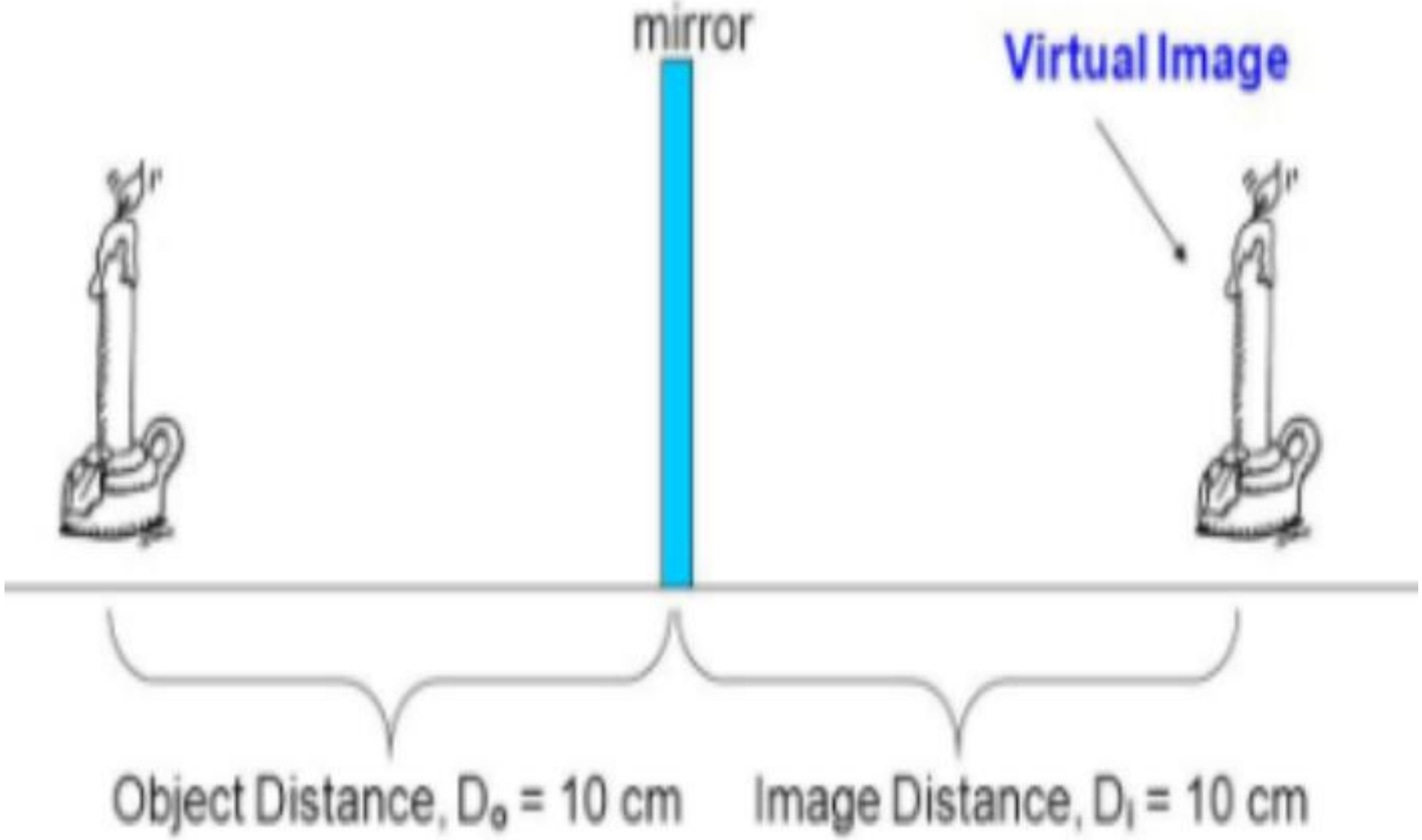
The image distance is equal to the object distance from the mirror



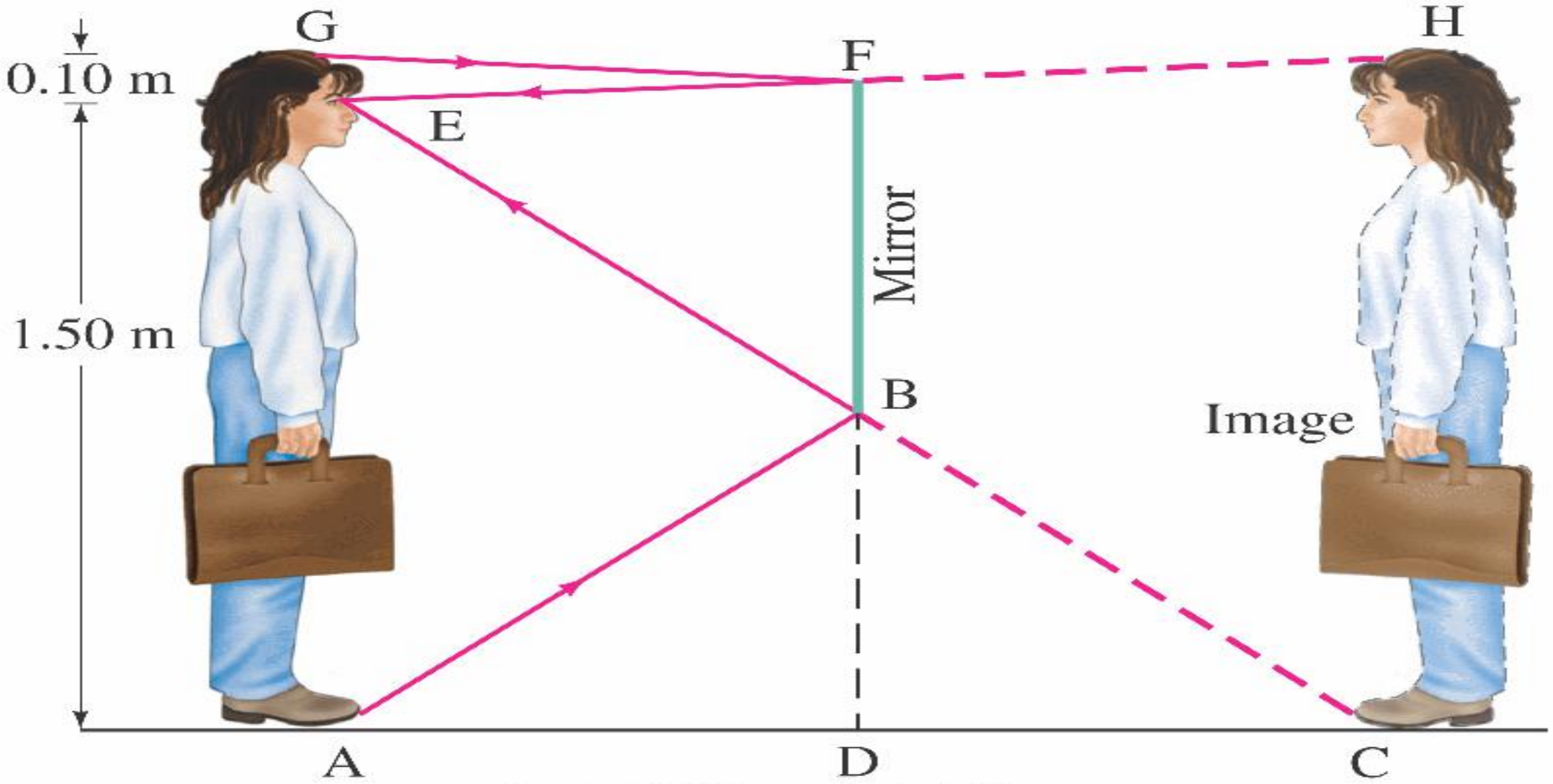
The image distance is equal to the object distance from the mirror



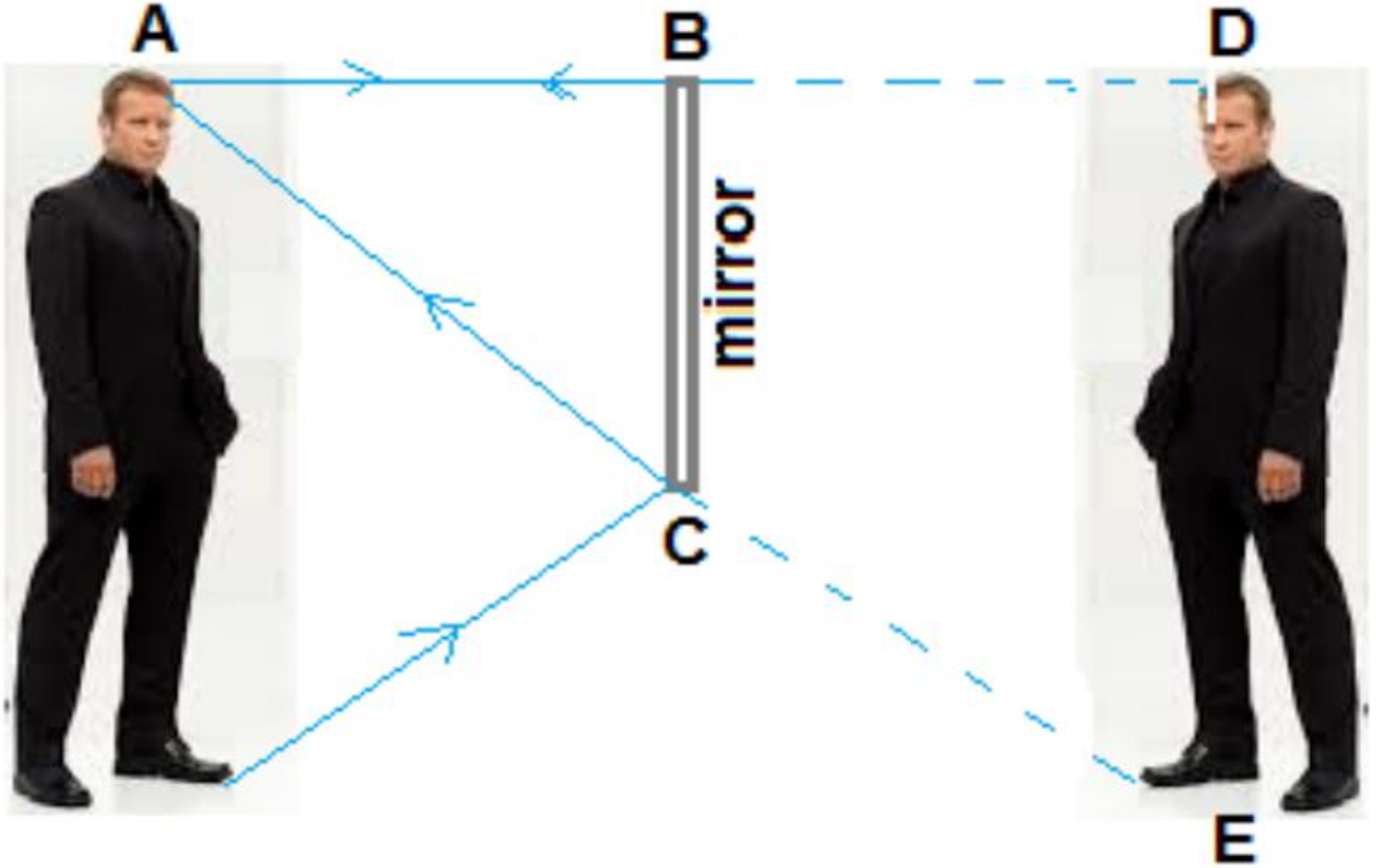
The image distance is equal to the object distance from the mirror



The image is of the same size as the object



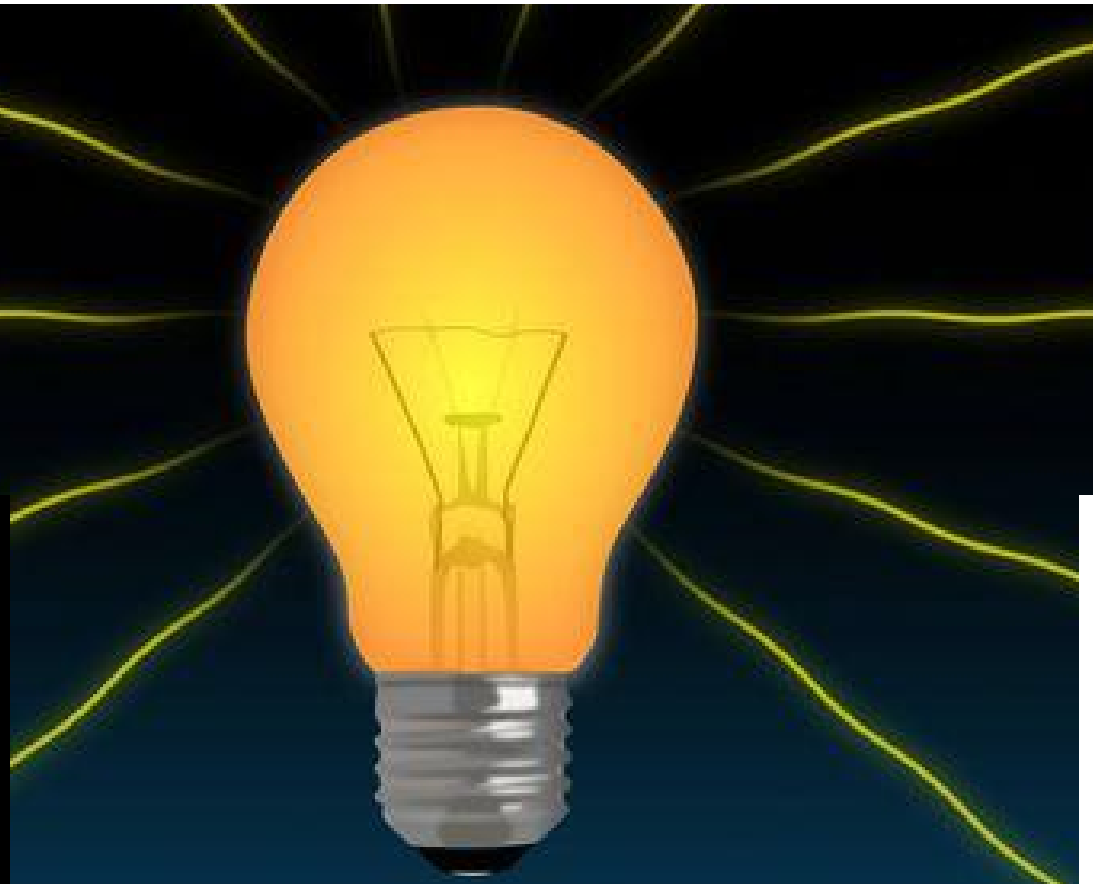
Copyright © 2005 Pearson Prentice Hall, Inc.


A
B
D
mirror
C
E



LIGHT ENERGY



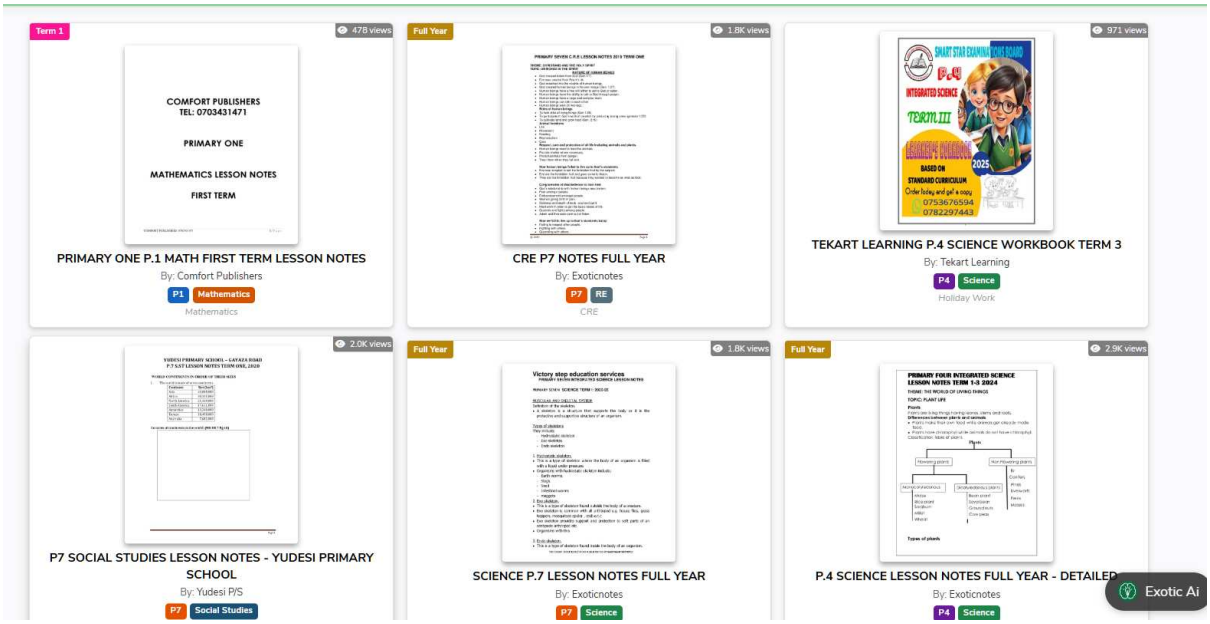




KASADHA ABBEY
0772 509594



This document was downloaded from https://exoticnotes.com



Do you need more LESSON NOTES for Primary (All classes)?

Click
https://exoticnotes.com/notes/primary/

If you need LESSON NOTES for SCIENCE (P.1 – P.7)
Click
https://exoticnotes.com/notes/primary/science/

If you need LESSON NOTES for English (P.1 – P.7)
Click
https://exoticnotes.com/notes/primary/english/

If you need LESSON NOTES for Mathematics (P.1 – P.7)
Click
https://exoticnotes.com/notes/primary/mathematics/