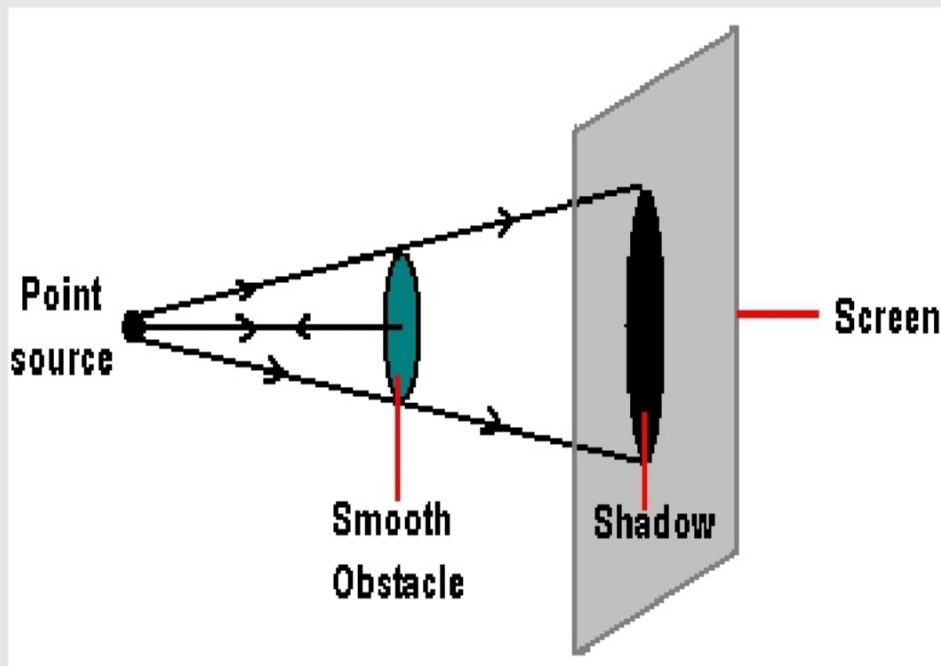


PHYSICS: OPTICS I

1. You are provided with the following illustration carry out an investigation and write a report about how a shadow can be formed.

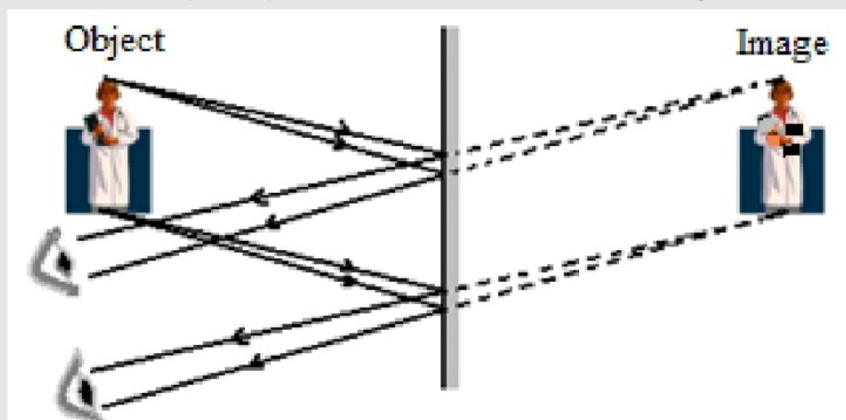


2. A pinhole camera box is blackened inside. Explain

3. John wants to measure the height of the tree in his compound. Explain in details how he can do it without any physical contact with it.

4. A cup is placed in front of an extended source of light. Come up with illustrations in form of a scale ray diagram to show the formation of its shadow.

5. Give the properties of the image formed below



(b) A real image formed by actual intersection of rays.
Discuss.

♡CHARLES DE EXCELLENT♡

