

Physics

Delprov A3
engelsk version

Årskurs

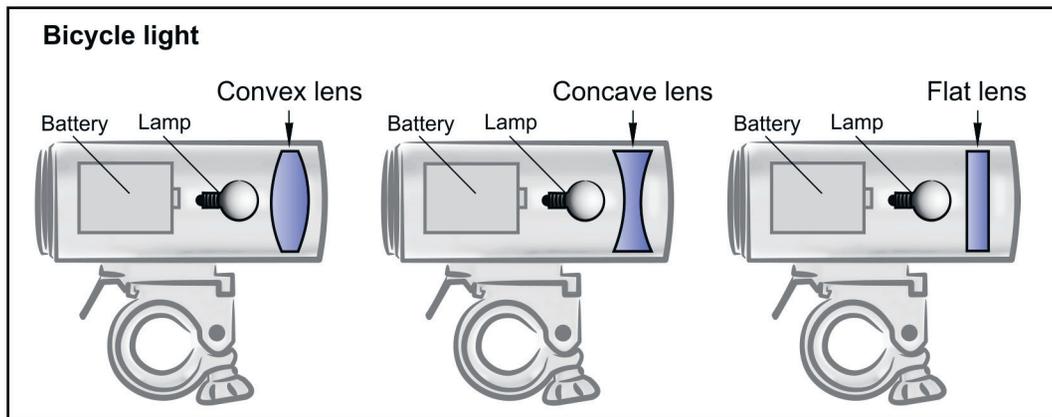
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Elevens namn och klass/grupp

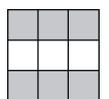
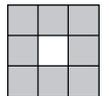
Planning a systematic investigation in physics

Which bicycle light gives the broadest light?

In a bicycle light there is a possibility of choosing different types of lenses. Bicycle lights can have a convex lens, a concave lens or a flat lens. Depending on which lens used in the bicycle light, the light in front of the bicycle will be different.



16. a) Write a hypothesis where you make an assumption about which of the lenses convex lens, concave lens or flat lens, gives the broadest light as possible and justify your assumption with your knowledge about optics.
- b) Write an instruction where you step by step describe how to undertake an investigation to decide which of the three lens types: convex lens, concave lens or flat lens gives the broadest light as possible on the road in front of the bicycle and how the results are interpreted.



Planning:**a) Hypothesis**

b) Method



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