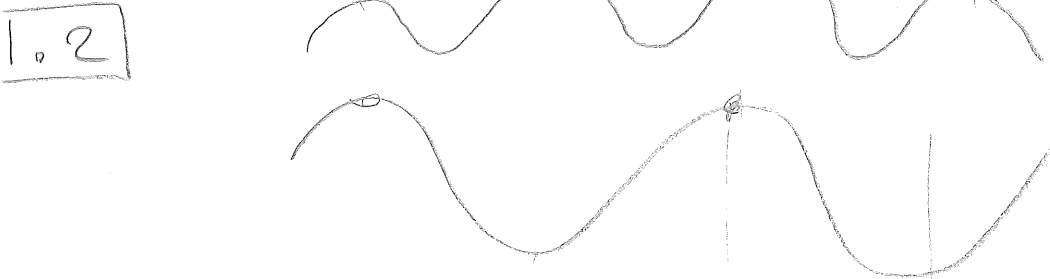


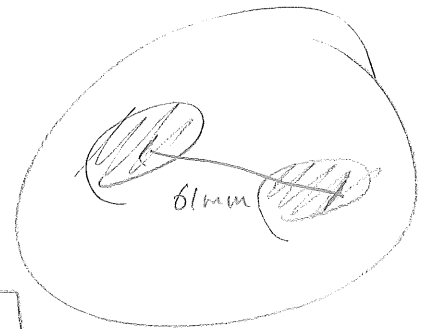
HÄFTESUPPGIFTER

1.1 Mer energi $E = hf = \frac{hc}{\lambda} \Rightarrow$ låg $\lambda \rightarrow$ hög E
Absorberas lättare



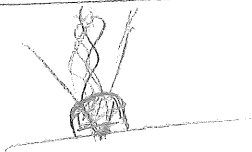
$$I(x) = |\psi(x)|^2$$

0,161



$$f = \frac{c}{\lambda} = \frac{3 \cdot 10^8}{1,21} = \boxed{2,48 \cdot 10^8 \text{ Hz}}$$

2.1



Ljuset fokuseras genom droppen

2.2

sprider $n_{\text{luft}} < n_{\text{plexiglas}}$ $n_2 > n_1$

2.3



Minimum
optisk väg.