

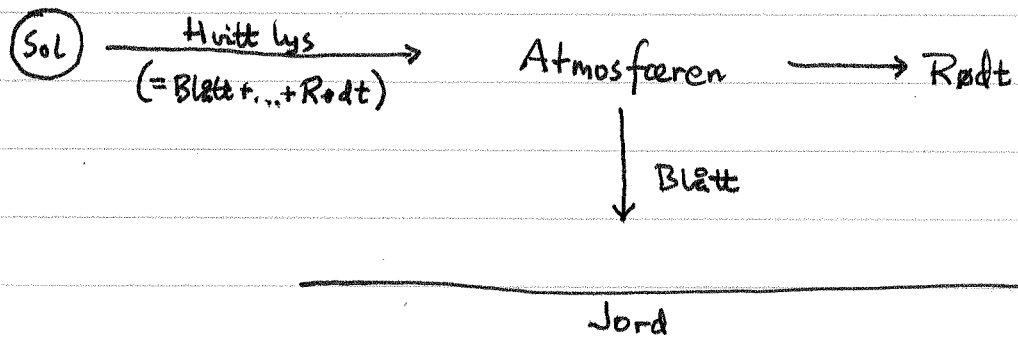
$$P(\omega) = \oint \vec{S} \cdot d\vec{A} \sim \omega^4$$

$\Rightarrow$  økende spredning for økende frekvens

Blått lys:  $\lambda_B \sim 400 \text{ nm}$

Rødt lys:  $\lambda_R \sim 700 \text{ nm}$

$$\Rightarrow \frac{P(\text{blått})}{P(\text{rødt})} = \left( \frac{\omega_B}{\omega_R} \right)^4 = \left( \frac{\lambda_R}{\lambda_B} \right)^4 \sim \left( \frac{7}{4} \right)^4 \sim 10$$



Lav sol:

