

A microscopic view of numerous green, spherical microalgae cells, likely Chlorella, arranged in a cluster. The cells have a distinct green color and a slightly textured surface.

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# **DESIGNIN A PHOTOBIOREACTOR FOR GROWING MICROALGAE AT HOME**

# WHY THIS THEME?



- rich in protein (65-72%)
- rich in  $\beta$ -carotene
- contain important plant pigments
- contain vitamins
- contain iron, magnesium, minerals, enzymes



# MODEL FBI-150



# KH-60





# FOREIGN CLOSED PHOTOBIOREACTOR



- Possible to use at home
- Construction retains radiation
- No control panel
- Exposed wires may not be safe
- Unaesthetic appearance



# CONCEPT

- Unusual form
- May be used as lamp
- Possible to use at home
- Impossible construction
- No control panel





# CONCEPT

- Minimalistic design
- May be used as lamp
- Possible to use at home
- Good construction
- No control panel
- hard to get prepared microalgae

