

Homework 1 Development Technology
December 17, 2018

Viability of a simple solar light manufactured in Ethiopia

There are many online sources for the design of a solar light. For example
<https://www.youtube.com/watch?v=8earltsP35w> .

Compare this design with existing products such as the following NGO:
<https://www.indiegogo.com/projects/unite-to-light-solar-usb-charger-led-light#/>
which will be offered for \$15 in the developing world and is manufactured in China.
Or the \$0 Panasonic solar lantern for the developing world
<https://news.panasonic.com/global/stories/2013/24710.html>

Try to find the approximate cost of the design given on the first webpage by searching at
Mouser.com <https://www.mouser.co.uk>

Consider the logistics of setting up manufacturing, marketing and distribution for an Ethiopian solar light/cell phone charger system and give a crude assessment of the viability of manufacturing these devices in Ethiopia for the Ethiopian market.

You answer should be less than one page.