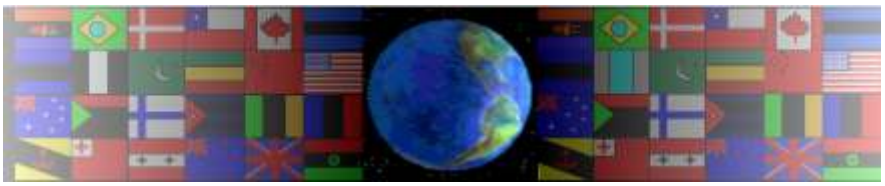
ENERGY SAVING DEVICES - SOLAR CHARGERS

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

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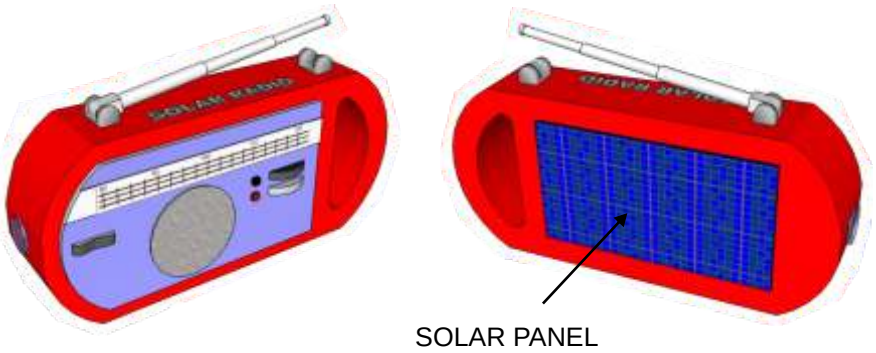
1. Describe an electronic device, other than a radio, that can be charged through solar power.



2. The solar powered radio shown opposite has a solar panel as an integrated part of the back of the casing.

Describe:
How the radio can be charged. Include how it should be positioned to take advantage of sunlight.
Explain how long it takes to charge and the cost of charging the internal batteries.

3. If you lived in a remote area, away from cities, towns and people, what would be the advantage of having a solar powered radio?

4. Apply solar technology to an everyday electronic device, other than a radio. Draw a design of the device and add explanatory notes.

NOTES: