



Collector Construction - GAME

Do you know the steps of the construction of the collector?

Please, print out the document double-sided.

If the pupils arrange the pictures in the correct order, the letters on the back will build two words.

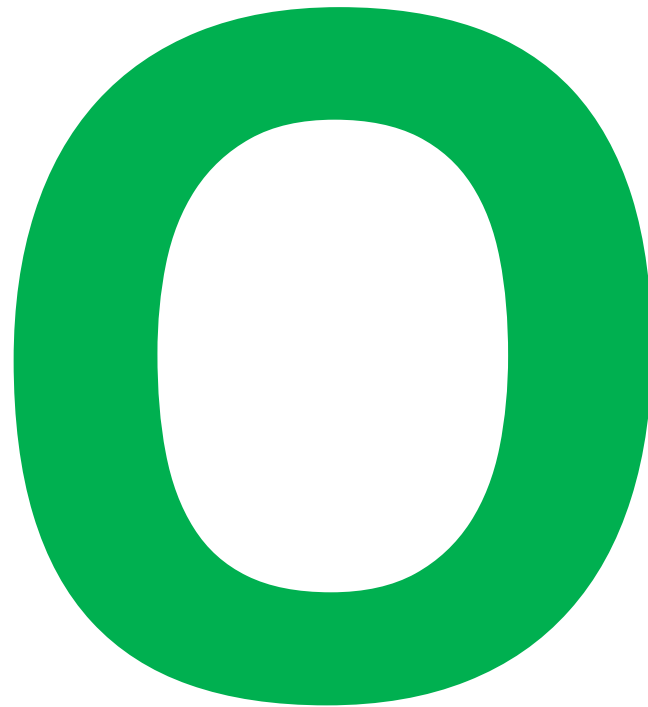
akaryon⁰
WEBTOOLS • UMWELT • FÖRDERUNGEN



Co-funded by the
Erasmus+ Programme
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u



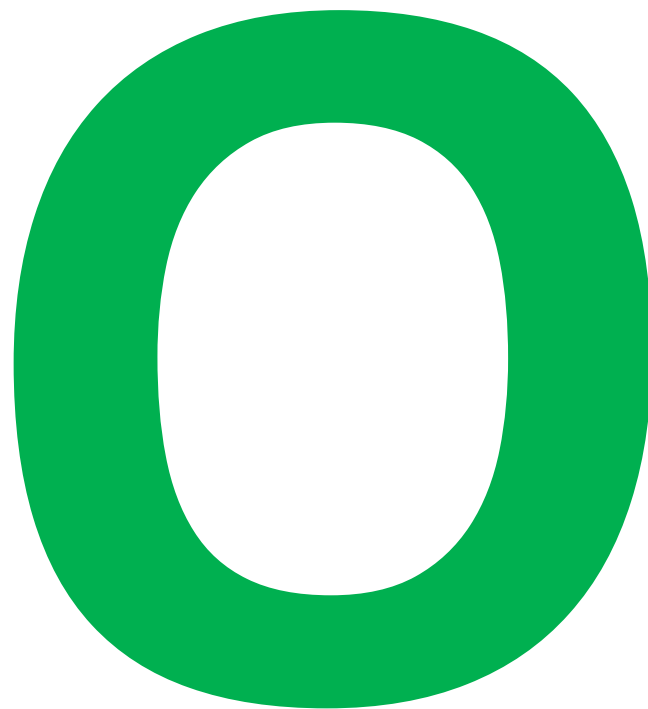
R

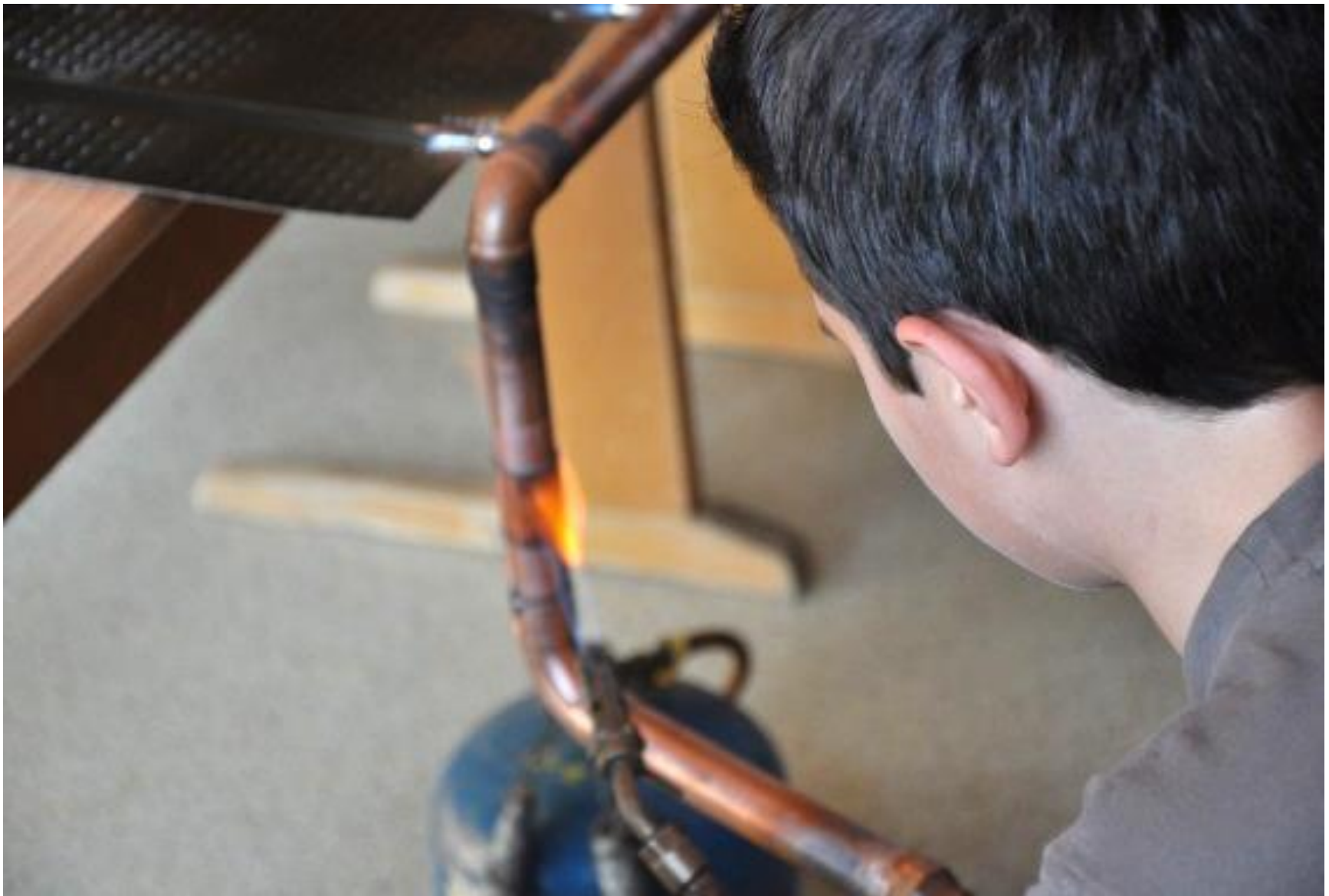
1

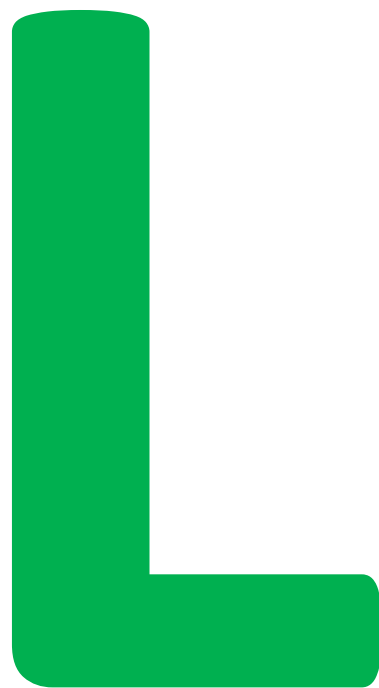


S











A

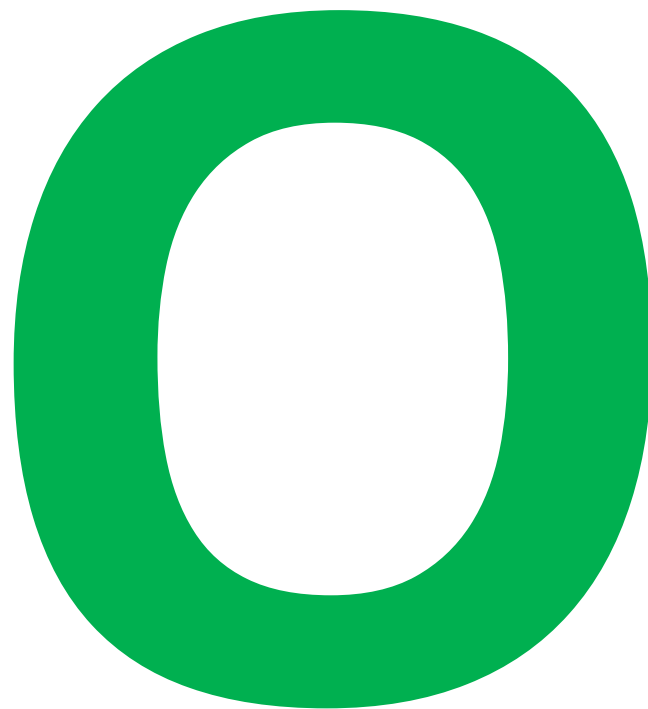


R₂



T







w



N

Solution:

- O₁** - Building the wooden frame
- U** - Mounting the back
- R** - Putting the insulation (mineral wool) in frame

- S** - In order to absorb more heat, the frame has to be painted in black
- O₂** - 14 absorbers are needed for one panel of 6 m²
- L** - The absorbers are connected by copper pipes
- A** - The connected absorbers have to be placed in the wooden frame
- R** - Glass plates are placed on top ...
- T** - ... and fixed on the frame to protect the absorbers against rain, dust and dirt.
- O₃** - Stress test
- W** - It is a lot of work to carry...
- N** - ... the finished collector to the place where it is needed

Contacts:

akaryon GmbH, Austria

Website: www.akaryon.com



Climate Allianca Austria

Website: www.klimabuendnis.at



European Solar Thermal Industry Federation, Belgium

Website: <http://www.estif.org/>



KPE Pertouliou Trikkeon, Greece

Website: <http://kpe-pertouliou-trikkaion.gr/>



VseUK Institute, Slovenia

Website: www.vseuk.si



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