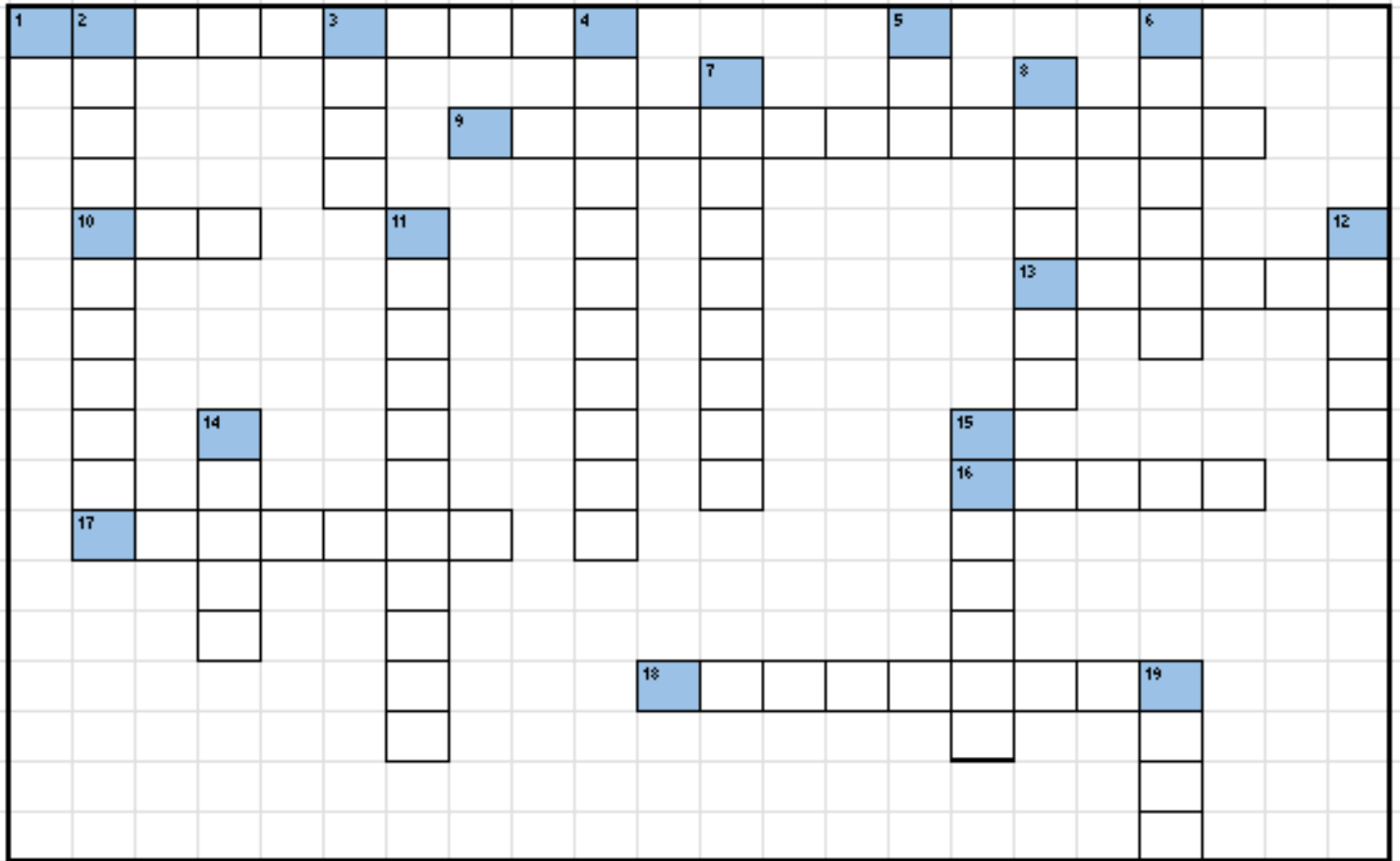


# RAB-CROSSWORD 11 (Geothermal energy)



## QUESTIONS

### Horizontal

1. What type of power plants draw fluids from underground reservoirs to the surface to produce steam?
9. The relatively plastic layer of the upper mantle of the Earth on which the tectonic plates of the lithosphere move.
10. Hot Dry Rock.
13. The intermediate layer of the Earth beneath the crust that is about 2,900 km thick and overlies the Earth core.
17. What methods are generally used to estimate Moho?
18. Plate tectonic activity.

### Vertical

2. Risk of geothermal activation.
3. European Geothermal Energy Council.
4. Rigid, rocky outer layer of the Earth, consisting of the crust and the solid outermost layer of the upper mantle.
5. Designed reservoirs that have been created to extract economical amounts of heat from geothermal resources of low permeability and/or porosity.
6. A rotary mechanical device that extracts energy from a fluid flow and converts it into useful work. The work produced by this device can be used for generating electrical power.
7.  $10^{15}$  Joule.
8. Gradient that is generated by the flow of heat from the interior of the earth.
11. It is estimated that all energy sources will continue to be needed until 2050. What other energy source, considered secondary, is its demand expected to grow by approximately 70%?
12. What are the components that generally represent a higher cost in the construction of geothermal plants?
14. Main supplier country of Solar Panels.
15. Largest producer of renewable energy per capita in the world.
16. The thin, outermost shell of the Earth that is typically 5 km to 75 km thick.
19. Surface of discontinuity between the earth's crust and the mantle.