



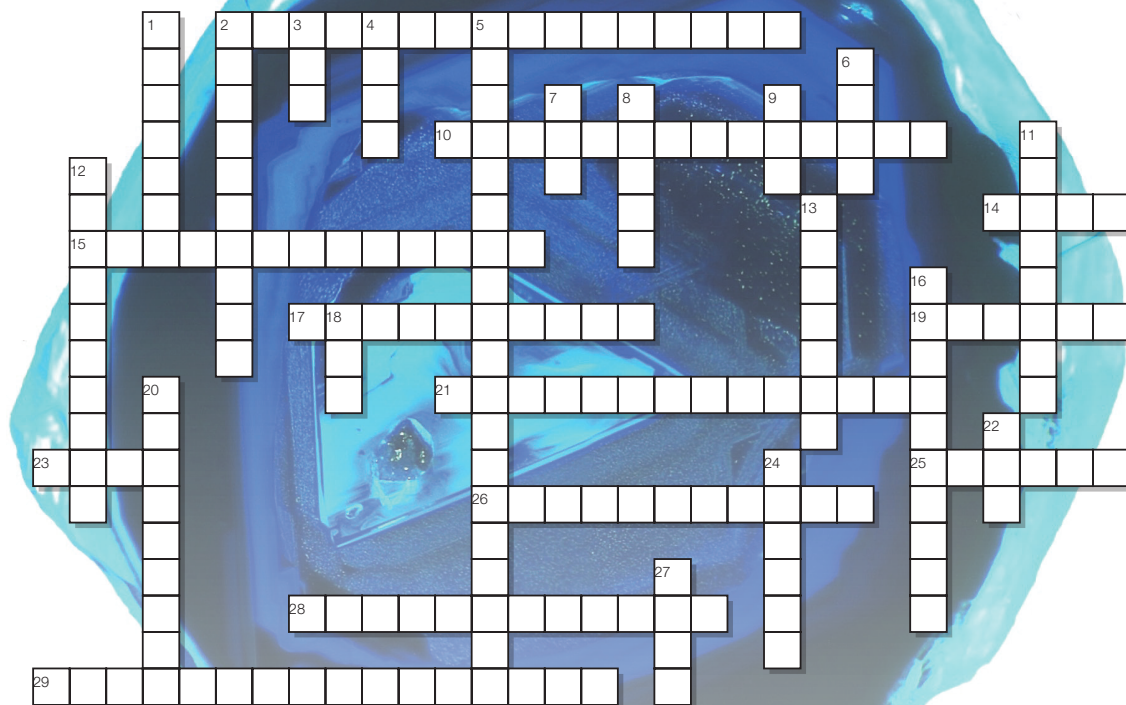
EAG CROSSWORD #2

Time to spare on your commute, while waiting on analyses in the lab, or after a long day in the field? Test your knowledge of geochemical techniques in the latest EAG Crossword, carefully compiled by the EAG Communications Committee.

Answer key at

<https://www.eag.eu.com/crosswords/>.

TECHNIQUES



ACROSS

- 2 Split them up by m and z (4,12)
 10 Separate dissolved elements like colours
 14 Traditional stable isotope analyses
 15 Making craters with light (5,8)
 17 Munches up rocks (3,7)
 19 Measures major elements in a plasma (3-3)

- 21 To get data for your phase diagrams (6-8)
 23 To kiss with a B
 25 A sea creature
 26 Beamline
 28 Pressure by precious minerals (7-5)

- 29 Observe phase changes in trapped fluids

DOWN

- 1 Determines isotope ratios of ions produced at 8000 K (2-5)

- 2 Miniature coring
 3 Use electrons to image
 4 Also a video game
 5 Makes your minerals glow
 6 In situ electrons to determine composition
 7 How long do ions fly?
 8 To determine valence and coordination
 9 Determines crystallographic structure

- 11 Pressurised dissolution (4-4)
 12 Experiments for lower mantle conditions (5-5)
 13 Alive and ...
 16 Magnify your sample
 18 Highest kE mass spectrometer
 20 Gamma rays to determine oxygen fugacity
 22 Excites sample with röntgen
 24 ... Ferdinand magnet
 27 Multiple Burtons

BACKGROUND IMAGE:

Cathodoluminescence image of diamond, by M. Gress (published under CC-BY license in Gress et al. (2018) Miner. Petrol. **112** (Suppl 1), 219–229).

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