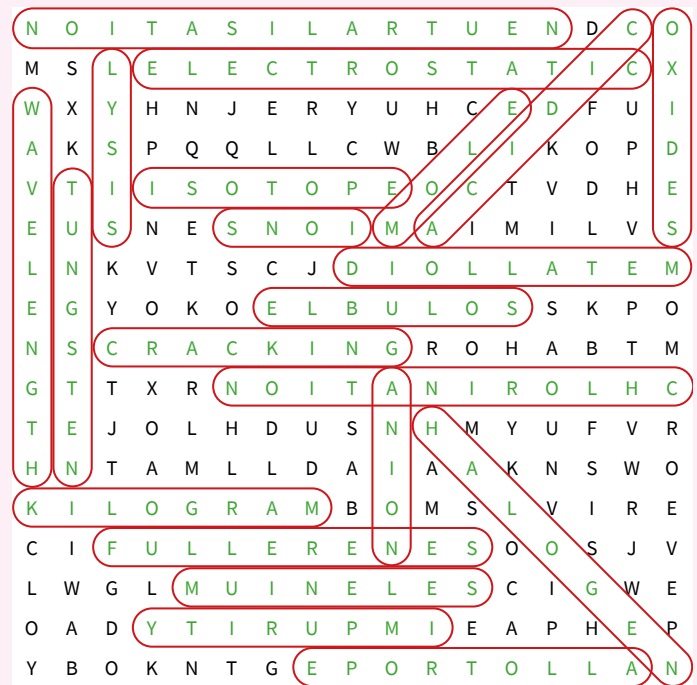
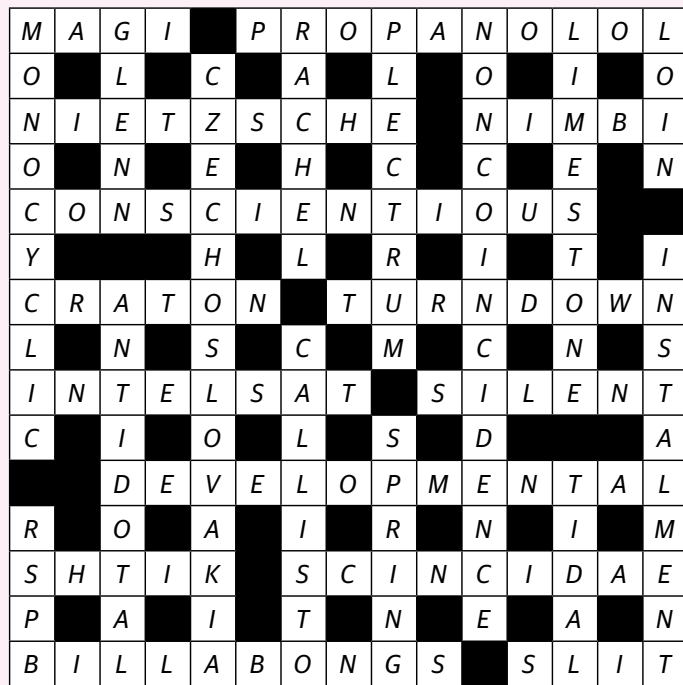


JANUARY 2021 SOLUTIONS



The first hour-long lesson involved practical work with Bunsen burners. The drop in levels just after the first hour is the result of the door opening for the class changeover. During the second hour-long lesson the students were not using Bunsens, so the rate of increase in CO₂ was lower.

The spike just after 1.5h was caused by one student sneaking up and breathing into the sensor while the teacher wasn't looking. Monitoring the graph, the teacher couldn't work out what was happening but, concerned by the rise, opened a window. They then noticed a glint in a pupil's eye and wondered if the rise and glint were connected. Thinking they were and considering what to do about it, the teacher breathed near the sensor, giving rise to the second spike just before the end of the lesson.

