



1. Find someone who can name the first six straight chain alkanes.	2. Find someone who can explain the different ways of measuring the speed of a chemical reaction.	3. Find someone who can explain the terms "oxidation" and "reduction" in three different ways.	4. Find someone who can describe how to measure the percentage oxygen in the Earth's atmosphere.	5. Find someone who can explain the properties of a catalyst and how it increases the speed of a chemical reaction.
6. Find someone who can explain how to electroplate an object with a layer of silver.	7. Find someone who can name the main atmospheric pollutants and explain why they are harmful to living organisms and the environment.	8. Find someone who can, in terms of chemical bonds, explain why exothermic reactions release energy.	9. Find someone who can explain the concept of "collision theory".	10. Find someone who can explain what happens during the electrolysis of concentrated aqueous potassium iodide.
11. Find someone who can summarise the reactions of the alkanes, with examples.	12. Find someone who can recall the test for; i) an oxidising agent, ii) a reducing agent.	<b>People Bingo!</b> Secondary 4 Chemistry	13. Find someone who can name all the fractions in the fractional distillation of crude oil.	14. Find someone who can sketch and fully label the energy profile diagram for an <i>endothermic</i> reaction.
15. Find someone who can explain the " <i>carbon cycle</i> ".	16. Find someone who can explain why an increase in temperature increases the speed of a chemical reaction.	17. Find someone who can explain how a strip of copper and a strip of zinc can be used to generate electricity.	18. Find someone who can name the main atmospheric pollutants and explain how to reduce / minimise them.	19. Find someone who can, in terms of chemical bonds, explain why endothermic reactions absorb energy.
20. Find someone who can recall the reactivity series of metals, including carbon and hydrogen.	21. Find someone who can draw all of the isomers of C <sub>4</sub> H <sub>10</sub> O.	22. Find someone who can recall the rules for calculating oxidation states.	23. Find someone who can explain what happens during the electrolysis of aqueous copper(II) nitrate using copper electrodes.	24. Find someone who can summarise the reactions of the alkenes, with examples.