



## Chemical Analysis - Quick Fire Questions

This worksheet is fully supported by a video tutorial <https://youtu.be/vMKAHdoc-g0>

1. Define mixture.
2. Defiant formulation.
3. Define melting point.
4. How can melting point be used to determine if a compound is pure or not?
5. How can chromatography be used to determine if a compound is pure or not?
6. How do you calculate  $R_f$  values?
7. What is the test for hydrogen gas?
8. What is the test oxygen gas?
9. What is the test for carbon dioxide?
10. What is the test for chlorine gas?

### Chemistry only

11. What colour flame test for lithium go?
12. What colour flame test for sodium go?
13. What colour flame test for potassium go?
14. What colour flame test for calcium go?
15. What colour flame test for copper go?
16. What happens when you react aluminium with sodium hydroxide?
17. What happens when you react calcium with sodium hydroxide?
18. What happens when you react magnesium with sodium hydroxide?
19. What happens when you react copper (II) with sodium hydroxide?
20. What happens when you react iron (II) with sodium hydroxide?
21. What happens when you react iron (III) with sodium hydroxide?
22. What is the test carbonate ions?
23. What is the test for halide ions?
24. What is the test for sulfate ions?