**C1**

**Carbon Chemistry**

Add notes and diagrams to make it useful

How do paints change colour at different temps?

How do paints glow in the dark?

How do paints dry?

How do you make an ester?

What is in paint and what does it do?

Explain why water doesn’t dissolve nail varnish in terms of particles?

Explain how perfumes work in terms of particles?

How do emulsifiers work.

What changes when you cook starch?

What changes when you cook protein?

Name a food additive and its use

Give the equation for baking powder being heated

What are the economic problems with polymers?

What does Gore-tex look like up close and what are its properties?

Describe the environmental problems with polymers and give solutions

What do strong rigid polymers look like up close?

What do people call polymers

Describe the process of polymerisation and give examples

What is a monomer

What is saturated

What is a polymer

How do you test for an alkene

What is unsaturated

What is ethene

What does a catalytic convertor do?

How do they affect air?

Deforestation

Population increase

What is in air?

Where did our atmosphere come from?

What is the equation for methane burning and prove it?

What is incomplete combustion

What makes a good fuel

How is crude oil separated

What are the political problems linked to oil

How does cracking work?

What’s the link between boiling points and molecular size