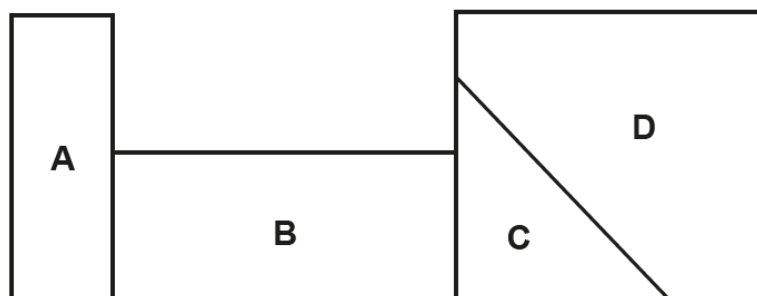


Name:

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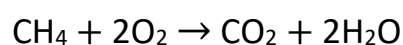
This is a section of the Periodic Table.

In which section of the Periodic Table would you find **transition metals**?**B**Lead nitrate contains lead ions, Pb^{2+} , and nitrate ions, NO_3^- .

What is the formula for lead nitrate?

 $\text{Pb}(\text{NO}_3)_2$

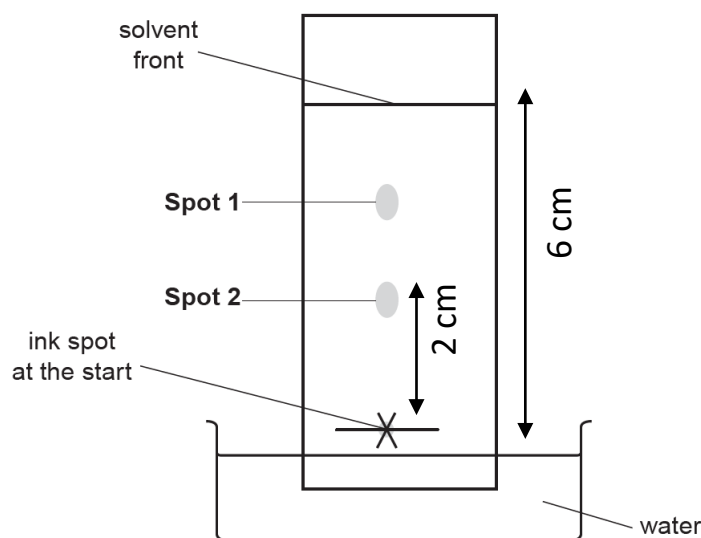
Look at the equation.



Which substance is oxidised in this reaction?

 CH_4 / Methane

A student uses paper chromatography to analyse the ink from his pen. She puts the bottom of the paper in water and leaves it for a few hours. The diagram below shows his result

Calculate the R_f value for Spot 2.

Show your working.

$$R_f = \frac{\text{distance moved by solute}}{\text{distance moved by solvent}}$$

$$R_f = \frac{2}{6}$$

 R_f for Spot 2 = **0.33****Working must be shown.**

What element is in group 3 and period 3 of the periodic table?

Aluminium

What is the name of the gas made when iron carbonate reacts with sulfuric acid?

Carbon dioxide

Give the formula of sodium hydroxide.

 NaOH

Give the formula of sulfuric acid.

 H_2SO_4

What are the vertical columns on the periodic table called?

Groups.

Which metal would fizz more vigorously in acid: magnesium or iron and why?

Metal: Magnesium.**Why:** Magnesium is more reactive than iron.