Chemguide - questions

1. Write equations for the complete combustion of

ALKANES: COMBUSTION

	a) pentane, C ₅ H ₁₂
	b) ethane, C ₂ H ₆
	c) decane, $C_{10}H_{22}$
	d) cyclohexane, C ₆ H ₁₂
2.	If you drop a lighted match onto some petrol (gasoline), it ignites almost explosively. If you drop a lighted match onto some tar on the road, almost certainly nothing will happen. Both contain alkanes, Explain the difference.
3.	a) Why does a bunsen burner with the air-hole closed produce a yellow flame?
	b) Explain why carbon monoxide, formed by incomplete combustion of hydrocarbons, is poisonous.