

Combustion equations

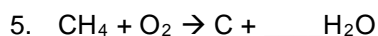
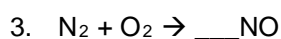
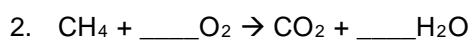
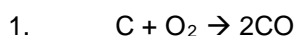
Education in Chemistry

May 2018

rsc.li/EiC318-airpollution

This activity accompanies the above article 'Taking care of the air'.

Task A: Add balancing numbers to the following equations associated with combustion and pollution.



Task B: Write balanced symbol equations for the following descriptions.

6. The combustion of methane (CH_4) to give a **poisonous gas** and water.

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7. The combustion of sulfur (S) impurities to give an acidic gas.

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8. The complete combustion of propane (C_3H_8).

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9. The incomplete combustion of propane (C_3H_8) to give a **solid pollutant** and water.

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10. The incomplete combustion of solid carbon (C) to give a poisonous gas.

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