Carbon footprint and its reduction: Worksheet 9.8

Reducing the carbon footprint

Match each method of reducing our carbon footprints to the correct description.

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| **A**  Carbon off-setting |  | **1** Power stations capture the carbon dioxide they emit and store it underground. This technology is very new and the UK government cancelled its first attempt in 2011. |
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| **B**  Using renewable energy sources |  | **2** The process of capturing the gas that is released as biodegradable material decays in landfill sites. |
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| **C**  Carbon capture and storage |  | **3** Companies purchase **carbon credits** to balance their greenhouse gas emissions. The money is then used to replant forests, set up wind farms, capture methane from landfill sites and so on. |
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| **D**  Carbon neutrality |  | **4** Organisations pay the government if they release more greenhouse gases than they are allowed. |
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| **E**  Carbon licences |  | **5** These allow organisations to emit small amounts of greenhouse gases, and organisations can buy them from one another. |
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| **F**  Carbon taxes |  | **6** These reduce the greenhouse gases that are emitted by burning fuels. However, greenhouse gases are still emitted when the equipment they use – such as wind turbines – is made. |
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| **G**  Methane capture |  | **7** Individual organisations cut their overall emissions to zero by combining emission reduction with methods of taking greenhouse gases out of the atmosphere. |