Unit 202: Changing practices over time

# Worksheet 3: 21st century construction techniques and technologies (learner)

Task 1: Complete the cycle. Manufacturer’s instructions are a key source of information when:

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| Gas Safe |
| Water Safe |
| HIP Magazine |
| CIPHE |

Task 2: Draw a line to match the description to the corresponding trade association/industry bodies.

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| Provides access to technical, training and professional development support. |
| Primarily focuses on sharing information with students on the best ways to establish a career within the industry. |
| Official gas registration body for the United Kingdom. |
| Free online directory and national accreditation body for competent and qualified plumbers. |

Task 3: Fill the blanks using the words provided below:

air carbon neutral greenhouse gas 2050 low carbon

highly efficient ground net zero water natural gas

The UK is committed to \_\_\_\_\_\_\_\_\_\_\_\_emissions by \_\_\_\_\_\_\_\_\_\_. Most UK homes are heated by\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Natural gas produces approximately 20% of all global greenhouse gas emissions. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ technologies for heating and hot water are crucial for reducing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ emissions and addressing climate change.

Heat pumps are devices that extract heat from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_ and use it to heat buildings and water. They are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and are considered to be low carbon, providing both space heating and hot water. Heat pumps run on electricity, and if the electricity comes from renewable sources, they can be almost \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.