Unit 202: Changing practices over time (learner)

# Worksheet 5: Sustainable and ecological considerations

**Task 1**: Protected species on site

Circle which of the following are protected species by law.

|  |  |  |  |
| --- | --- | --- | --- |
| beavers | grey squirrel | freshwater pearl mussels | house sparrows |
| hazel or common dormice | rats | all species of bats | pigeon |
| great crested newts​ | house cats | natter jack toads​ | otters |
| badgers | muntjac deer | water voles | signal crayfish |

**Task 2**: Steps to take upon discovering a protected species on site

Number the steps in the following table to show the correct order for dealing with protected species on site.

|  |  |
| --- | --- |
| **Process** | **Step** |
| Carry out any mitigation/conservation measures required |  |
| Consult with ecological expert |  |
| Monitor the protected species and report to NRW as required |  |
| Stop the work or modify it to prevent any harm to protected species |  |
| Gain any required permits or licences |  |

**Task 3**: Answer the following questions on protected species on construction sites.

1. Name the regulation that covers protected species on site.

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1. Who is responsible for identifying whether or not protected species will be impacted by construction work?

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1. List three possible actions (even if not intentional) that can result in breaking the law in relation to protected species?

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| --- |
| 1 |
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| 2 |
|  |
| 3 |
|  |

1. What are the potential penalties for breaking the law in relation to protected species on site?

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1. Which organisation is responsible for issuing licences and or permits in relation to protect species in Wales?

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**Task 4**: 21st century buildings and carbon footprint

Your tutor will split you into groups. Using the handout provided, decide what you think are the three best strategies to offset carbon and explain your reasons why.

Case study: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Option 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Reasons for choice:** |
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Option 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Reasons for choice:** |
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Option 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Reasons for choice:** |
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