# Unit 301: Understanding construction practice in Wales.

# Learning Outcomes 5: Understand the relationship between trades and the environment.

**Learner Task Criteria 5.1**

This worksheet looks at industry regulations and sustainability**.**

Research and answer the following questions relating to this topic area. Use the links listed below to help you and any other relevant web links.

1.What are the main points of the following regulations: Environment (Wales) Act 2016, Environmental Protection Act, PAS 2030 and PAS 2035, The Hazardous Waste Regulations, Pollution Prevention and Control Act, Control of Pollution Act.

2. What is meant by thermal imaging in energy-efficient construction practice.

3. Research and explain what the Building Research Establishment Assessment Method (BREEAM) covers and how it fits into twenty-first century construction practice.

4. What are Passive House types of construction techniques and how do they satisfy government initiative and policy zero-carbon footprint?

5. List the essentials of responsible retrofit of the full range of building stock including traditional and modern.

6. Outline the main points concerning the Conservation of Habitats and Species Regulations 2010 and the penalties for breaking the law.

7. What should be done when there is a discovery of protected species during the construction process e.g., bat roosts and newt colonies?

8. How does the design of construction projects help with energy efficiency to include smart homes and smart technologies, such as sensors and controls?

Suggested website links:

<https://www.gov.wales/environment-wales-act-2016>

<https://www.gov.uk/dispose-hazardous-waste>

<https://www.gov.uk/guidance/pollution-prevention-for-businesses>

<https://www.nhbc.co.uk/media-centre/industry-news/2020/01/30/thermal-imaging-explained,-a-new-nhbc-foundation-guide>

<https://bregroup.com/products/breeam>

<https://www.nhbc.co.uk/media-centre/industry-news/2020/01/30/thermal-imaging-explained,-a-new-nhbc-foundation-guide>

[Home (passivhaustrust.org.uk)](https://www.passivhaustrust.org.uk/)

[Retrofitting a Home: The Definitive Guide | Homebuilding](https://www.homebuilding.co.uk/advice/retrofitting)

[The Conservation of Habitats and Species Regulations 2010 (as amended) (“Habitats Regulations”) Explained (blandy.co.uk)](https://www.blandy.co.uk/about/news-and-insights/insights/the-conservation-of-habitats-and-species-regulations-2010-as-amended-habitats-regulations-explained)

[What Is Smart Home Technology? A Guide for Absolute Beginners (makeuseof.com)](https://www.makeuseof.com/what-is-smart-home-technology/)