

Chapter 1: Sustainability

1. What does the word sustainable mean?

2. Give an example of something in everyday life that is sustainable:

Read the text on p.4 under the heading 'sustainability'.

3. Study boxes 1.01 & 1.02 and working in pairs, discuss these questions with your partner:

- Do buildings use a significant amount of the world's energy?
- What do buildings use this energy for?
- Do buildings have a significant impact on the world's forests?
- How do buildings impact on air quality in urban areas?
- How do buildings cause water pollution?

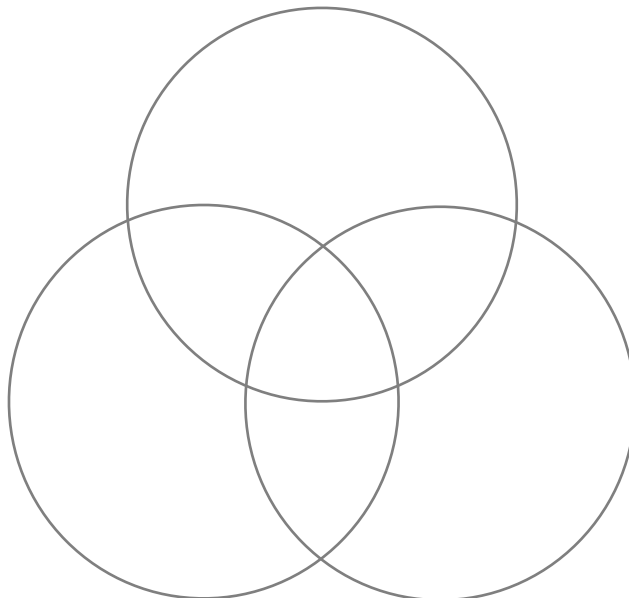
5. What do the following terms mean?

- building finishes

- building services

- infrastructure

6. Fill in the blanks (see p.5, box 1.04):



Now, watch the video 'Sustainability explained (by explainity®)', and:

7. In your own words, define environmentally sustainable:

8. In your own words, define economically sustainable:

9. In your own words, define socially sustainable:

10. In your own words, define sustainability:

Watch the video 'Sustainability definition: scientific and simple'.

Read the definition of sustainability on p5.

11. Compare your definition (see 10. above) to the one given in the book and make a note of two things you noticed:

Read the paragraph, 'sustainable design of buildings' on p.5.

12. Discuss the 'Sustainability checklist' with your partner.

- a. why, do you think, are some 'topics' given a higher multiplier value than others?
- b. what does this tell us about the priorities when designing a building?
- c. which three 'topics' would you prioritise when designing a home?

1. _____

2. _____

3. _____

State your reasons why:
