Unit 110: Decorative finishing and industrial painting occupations

# Worksheet 5: Sustainability (tutor)

1. What are the three Rs with regard to sustainability in the painting industry?

REDUCE!...REUSE!...RECYCLE!

1. State why oil-based products are not regarded as sustainable materials.

Oil will run out in the future.

1. Underline the correct meaning of VOC.
2. Volatile organic characteristics
3. Variable overt compounds
4. Volatile organic components
5. Volatile organic compounds
6. Variable overt components
7. Place the VOC content in the correct order from high to low: b, d, a, e, c
8. VOC content 8% to 24%
9. VOC content higher than 50%
10. VOC content 0% to 0.29%
11. VOC content 25% to 50%
12. VOC content 0.30% to 7.99%
13. Match the five categories of VOC content with the colours.

|  |  |
| --- | --- |
| **Category** | **Colour** |
| **MEDIUM** |  |
| **VERY HIGH** |  |
| **MINIMAL** |  |
| **HIGH** |  |
| **LOW** |  |

1. Which paint ingredient did manufacturers have to reduce in their paints by 2010?

Solvent content

1. State which type of paint is considered more environmentally friendly.

Water based

1. Use the words from the word bank below to fill in the gaps here.

Try not to order more materials than you need for a job.

Don't pour hazardous materials or excess from cleaning processes into a sink or drains.

Wipe out containers and dispose of with normal household waste.

Check with your local council and manufacturer’s instructions for guidance on how to dispose of waste materials.

1. What does the symbol below mean to you?



Hazardous to plant and animal life / Environmental hazard

1. Give an example of where you may find a symbol like this.

On containers of hazardous chemicals, paints and other substances.

1. Complete the missing words with regard to sustainability:

The more we use products from UNSUSTAINABLE sources the QUICKER they will eventually run out. The less we have, the more EXPENSIVE they will BECOME.