# Knowledge Test: Topic 2 Sustainability and resource efficiency

## Criteria

### Unit code, name and release number

MSMENV272 - Participate in environmentally sustainable work practices (R2)

### Qualification/Course code, name and release number

MSF31113 Certificate III in Cabinet Making (R6)

## Student details

### Student number

### Student name

## Assessment Declaration

* This assessment is my original work and no part of it has been copied from any other source except where due acknowledgement is made.
* No part of this assessment has been written for me by any other person except where such collaboration has been authorised by the assessor concerned.
* I understand that plagiarism is the presentation of the work, idea or creation of another person as though it is your own. Plagiarism occurs when the origin of the material used is not appropriately cited. No part of this assessment is plagiarised.

### Student signature and Date

Version: *1.0*

Date created: *7 November 2018*

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This assessment can be found in the [Learning Bank](https://share.tafensw.edu.au/share/access/searching.do?doc=%3Cxml%2F%3E&in=P7ac4831b-430a-4b8d-8b56-f7b32ed5b9cf&q=&type=standard&sort=rank&dr=AFTER)

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## Assessment instructions

Table 1 Assessment instructions

| Assessment details | Instructions |
| --- | --- |
| **Assessment overview** | The objective of this assessment is to assess your knowledge as would be required to comply with environmental legislation. |
| **Assessment Event number** | 4 of 5 |
| **Instructions for this assessment** | This is a written assessment and it will be assessing you on your knowledge of the unit.  This assessment is in 3 parts:   1. Multiple choice questions 2. True or False questions 3. Assessment feedback   Assessment feedback is provided at the end of the assessment document. |
| **Submission instructions** | On completion of this assessment, you are required to upload it or hand it to your trainer for marking.  It is important that you keep a copy of all electronic and hardcopy assessments submitted to TAFE and complete the assessment declaration when submitting the assessment. |
| **What do I need to do to achieve a satisfactory result?** | To achieve a satisfactory result for this assessment all questions must be answered correctly. |
| **What do I need to provide?** | Calculator, pens, note pad, USB/FLASH to download and store electronic files. Internet access and computer for students off campus if completing online. |
| **Due date/time allowed** | 60 minutes. |
| **Assessment feedback, review or appeals** | Appeals are addressed in accordance with Every Student’s Guide to Assessment. |

## Part 1: Multiple choice

Read the question and each answer carefully. Put an X in the table next to your chosen answer.

1. What causes climate change?

Table 2 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. The hole in the ozone layer allowing more of the sun’s rays to heat the earth |  |
| 1. An increase in the amount of greenhouse gases in the atmosphere trapping more heat |  |
| 1. Increases in the amount of forested areas |  |
| 1. All of the above |  |

1. Which items are non-renewable resources?

Table 3 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Iron ore, coal, crude oil |  |
| 1. Timber, water, food crops |  |
| 1. Solar, wind and hydro electricity |  |
| 1. All of the above |  |

1. What is the main environmental problem of coal-generated electricity?

Table 4 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Contributes to the hole in the ozone layer |  |
| 1. Loss of biodiversity due to deforestation |  |
| 1. Pollution of waterways |  |
| 1. Generates greenhouse gases |  |

1. Why are solvents and other volatile chemicals bad for the environment?

Table 5 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. They are not healthy for workers to breath in |  |
| 1. Their vapours can contain very strong greenhouse gases |  |
| 1. They are a renewable resource |  |
| 1. They cause problems with the ozone layer |  |

1. Embodied energy refers to:

Table 6 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. The amount of greenhouse gases released during the production of a product |  |
| 1. Life cycle assessment |  |
| 1. The energy, water and resources used and the waste and pollution generated to create a product |  |
| 1. The supply chain of a product |  |

## Part 2: True or false

Read the question and then write **True** or **False** in the space provided.

Table 7 True or false

| Question | Write *True* or *False* |
| --- | --- |
| 1. There are strict laws in place in Australia to ensure that all businesses implement resource efficiency practices. |  |
| 2. Corporate social responsibility can involve looking at where the products that a company uses have come from. |  |
| 3. Local councils make sure businesses don’t produce greenhouse gases. |  |
| 4. Climate change is expected to occur because of an increase in the average temperature of the Earth. |  |
| 5. We expect water to become more scarce when population increases. |  |
| 6. Using resources carefully is a way that product wastage is controlled. |  |
| 7. If a product has an inefficient life cycle, the result is less embodied energy. |  |
| 8. Timber has the potential to remove greenhouse gases from the atmosphere |  |
| 9. Plastics are produced from crude oil |  |
| 10. Natural gas is a renewable resource |  |

## Part 3: Assessment Feedback

*NOTE: This section* ***must*** *have the assessor signature and student signature to complete the feedback.*

### Assessment outcome

Satisfactory

Unsatisfactory

### Assessor Feedback

Was the assessment event successfully completed?

If no, was the resubmission/re-assessment successfully completed?

Was reasonable adjustment in place for this assessment event?  
*If yes, ensure it is detailed on the assessment document.*

Comments:

### Assessor name, signature and date:

### Student acknowledgement of assessment outcome

Would you like to make any comments about this assessment?

### Student name, signature and date

***NOTE: Make sure you have written your name at the bottom of each page of your submission before attaching the cover sheet and submitting to your assessor for marking.***