**Module 5 Week One Exercise 4 and SDL Worksheet**

Exercise 4

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| 1. Which types of fuses are commonly used in residential and commercial electrical systems in New Zealand? |

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| 1. What is the maximum current rating for a semi-enclosed re-wirable fuse in New Zealand? |

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| 1. What is the maximum voltage rating for a cartridge fuse in New Zealand? |

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| 1. What is the purpose of an HRC fuse in an electrical system? |

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| 1. What are some factors to consider when selecting a fuse for an electrical circuit? |

SELF-DIRECTED LEARNING

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| What is the main difference between a fuse and an MCB in the way they interrupt the flow of current in an electrical system? |

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| What are the advantages of using fuses rather than MCBs in electrical systems? |

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| What are the disadvantages of using fuses rather than MCBs in electrical systems? |

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| How do the costs of fuses and MCBs compare in New Zealand? Provide some examples (cite any references used.) |

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| What are the safety considerations when choosing between fuses and MCBs for an electrical system? |

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| How do the New Zealand Wiring Rules address the use of fuses and MCBs in electrical systems? |