Unit 105: Protecting health, safety and the environment when working in the construction and built environment sector

# Worksheet 18: Electricity and power tools (tutor)

1. Shown below are eight questions about electricity at work. Each question has three answers: select the correct answer.

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| **Questions** | | **Choice A** | **Choice B** | **Choice C** |
| **1** | Double Insulated Symbol.jpg  If you found this symbol on an electric drill what does this mean? | The drill can be stored safely in a toolbox | The drill has been recently tested and is safe to use | The drill is double insulated and does not require an earth lead |
| **2** | RCD.jpg  Which piece of  electrical safety  equipment is pictured? | Residual  Current  Device | Transformer | Cartridge  fuse |
| **3** | Why should you use the piece of electrical safety equipment pictured above? | It reduces the voltage from 240v to 110v | It detects faults in the electrical system and rapidly switches off the supply | It allows for additional equipment to be connected |
| **4** | What colour is the earth conductor in a typical 230-volt supply? | Green  and  yellow | Brown | Blue |
| **5** | RCD.jpgWhich piece of  electrical safety  equipment is pictured? | Residual  Current  Device | Transformer | Cartridge  fuse |
| **6** | 110-volt plugs and connectors are which colour? | Red | Blue | Yellow |
| **7** | Why are fuses fitted within electrical circuits and appliances? | To provide circuit protection | To protect the user from an electric shock | It allows for additional equipment to be connected |
| **8** | What colour is the live conductor in a typical 230-volt supply? | Green  and  yellow | Brown | Blue |