Lesson 5: Student's worksheet

Aims:

1. To reinforce the understanding of the importance of a fuse
2. To differentiate between a blown fuse and a working one
3. To recognise that fuses have different ratings

Answer the following questions.

1. In the table below are three images of fuses. Identify which ones look good and which ones are blown.

   (i) Record your answers by placing a tick in the table below.

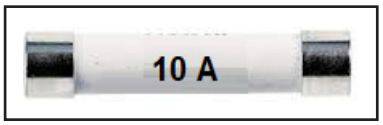
Fuse	Good	Bad

   (ii) Tell your teacher how you have identified the fuses which are blown.

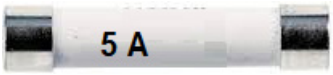
2. Tell your teacher what will happen if we use multi-plug to connect the plug of appliances such as iron, rice-cooker and electric oven to the main socket.

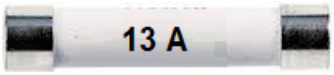
   The multi-plug and its fuse will melt. This may trigger a fire.

3. The following fuse is blown.



Circle the correct replace fuse.





4. What is the purpose of a fuse?

A To make electricity stronger
B To make electricity weaker
C To stop too much electricity from flowing
D To replace a switch

5. What will happen if a 3 A fuse is used to replace a 13 A fuse?

A The appliance will work normally and safely
B The appliance will not work well because only a small current will flow
C The appliance will not work because a large current will blow the fuse
D This cannot be done because the 3 A fuse cannot fit in the space of the 13 A fuse

6. What will happen if a 13 A fuse is used to replace a 3 A fuse?

A The appliance will work normally and safely
B The appliance will work but this is not a safe
C The appliance will not work well because the large current
D This cannot be done because the 13 A fuse cannot fit in the space of the 3 A fuse