

Some basic electrical components found on motherboards and video cards of personal computers are listed below.

- diode
- battery
- resistor
- fuse

a. Select **three** of the electrical components in the list. Describe the basic function of **each** component in an electrical circuit of a personal computer.

Some circuit components found in personal computers are also used to build simple circuits in a classroom.

b. In your Student Answer Booklet, draw a circuit diagram that uses a battery, a switch, and two resistors. Make sure that in your diagram current always passes through one resistor, but only passes through both resistors when the switch is closed. Be sure to label each component.