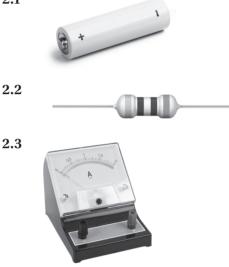
Zoom In Physical Sciences Grade 11

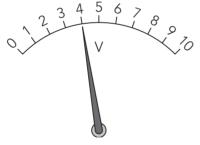
Worksheet 2

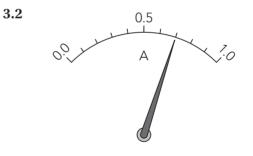
Building circuits and drawing circuit diagrams

- 1 Sketch circuit diagrams for circuits that contain the following components:
 - **1.1** two light bulbs (in series); a battery; a voltmeter that measures the potential difference over the battery; an ammeter that measures the total current strength; connecting wires
 - **1.2** a battery; 3Ω , 4Ω and 5Ω resistors (in parallel); an ammeter that measures the current strength that flows through the 4Ω resistor; an open switch; connecting wires
- 2 Write down the circuit symbols for the following components:
 - 2.1



3 Give the following meter readings: 3.1





Current strength

- 4 Describe the direction of conventional current.
- 5 Complete the following table:

Charge	Current	Time
5.1	1,5 A	15 s
5.2	20 A	2 min
220 C	5.3	300 s
580 C	4,8 A	5.4
75 C	13 A	5.5

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