

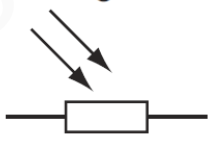

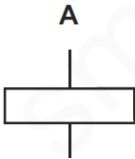
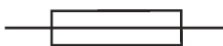
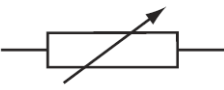



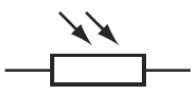


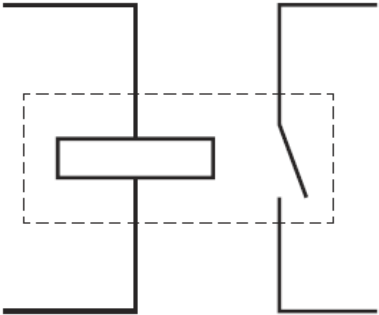


### QUANTITIES-SYMBOLS-UNITS-SET-1

1	<p>What are the symbols used for the units of current and resistance?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 40%;">unit of current</th> <th style="width: 50%;">unit of resistance</th> </tr> </thead> <tbody> <tr> <td><b>A</b></td> <td>A</td> <td>W</td> </tr> <tr> <td><b>B</b></td> <td>A</td> <td><math>\Omega</math></td> </tr> <tr> <td><b>C</b></td> <td>V</td> <td>W</td> </tr> <tr> <td><b>D</b></td> <td>V</td> <td><math>\Omega</math></td> </tr> </tbody> </table>		unit of current	unit of resistance	<b>A</b>	A	W	<b>B</b>	A	$\Omega$	<b>C</b>	V	W	<b>D</b>	V	$\Omega$
	unit of current	unit of resistance														
<b>A</b>	A	W														
<b>B</b>	A	$\Omega$														
<b>C</b>	V	W														
<b>D</b>	V	$\Omega$														
MS-1	B															
2	<p>Which symbol represents an electrical component used to store energy?</p> <div style="display: flex; justify-content: space-around; align-items: flex-end; text-align: center;"> <div style="margin: 5px;"> <p><b>A</b></p>  </div> <div style="margin: 5px;"> <p><b>B</b></p>  </div> <div style="margin: 5px;"> <p><b>C</b></p>  </div> <div style="margin: 5px;"> <p><b>D</b></p>  </div> </div>															
MS-2	A															
3	<p>What is the symbol for a fuse?</p> <div style="display: flex; justify-content: space-around; align-items: flex-end; text-align: center;"> <div style="margin: 5px;"> <p><b>A</b></p>  </div> <div style="margin: 5px;"> <p><b>B</b></p>  </div> <div style="margin: 5px;"> <p><b>C</b></p>  </div> <div style="margin: 5px;"> <p><b>D</b></p>  </div> </div>															
MS-3	B															
4	<p>Which circuit symbol represents a component used to store energy?</p> <div style="display: flex; justify-content: space-around; align-items: flex-end; text-align: center;"> <div style="margin: 5px;"> <p><b>A</b></p>  </div> <div style="margin: 5px;"> <p><b>B</b></p>  </div> <div style="margin: 5px;"> <p><b>C</b></p>  </div> <div style="margin: 5px;"> <p><b>D</b></p>  </div> </div>															
MS-4	A															

5	<p>A circuit contains the component shown by the following symbol.</p>  <p>Which change would the component detect?</p> <p>A change in</p> <ul style="list-style-type: none"> <li><b>A</b> light level.</li> <li><b>B</b> potential difference.</li> <li><b>C</b> radioactivity.</li> <li><b>D</b> temperature.</li> </ul>
MS-5	D
6	<p>Which component is represented by this circuit symbol?</p>  <ul style="list-style-type: none"> <li><b>A</b> a bell</li> <li><b>B</b> a fuse</li> <li><b>C</b> a relay</li> <li><b>D</b> a transformer</li> </ul>
MS-6	C

7

P and Q are the circuit symbols for two electrical components.



P



Q

Which components are represented by P and by Q?

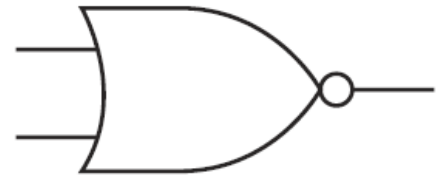
	P	Q
<b>A</b>	thermistor	fuse
<b>B</b>	thermistor	relay
<b>C</b>	variable resistor	fuse
<b>D</b>	variable resistor	relay

MS-7

A

8

What does the symbol shown represent?



- A** an AND gate
- B** a NOR gate
- C** a NOT gate
- D** an OR gate

MS-8

B

9 Which electrical symbol represents a diode?

**A**
**B**
**C**
**D**

MS-9 B

10 Which symbols are used for the units of current and of resistance?

	unit of current	unit of resistance
<b>A</b>	A	W
<b>B</b>	A	$\Omega$
<b>C</b>	C	W
<b>D</b>	C	$\Omega$

MS-10 B

11 What is the circuit symbol for a variable resistor?

**A**
**B**
**C**
**D**

MS-11 B