202: Principles of electrical science  
**Worksheet 17: Electronic components**

Using your notes answer the following questions.

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| 1. | A resistor with four-band identification has green‑blue‑orange‑silver bands. What is the value of this resistor? |
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| 2. | What is a thermistor? |
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| 3. | What is the unit used for capacitors? |
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| 4. | In simple terms, what does a diode do? |
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| 5. | Draw the symbol for a diac. |
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| 6. | In simple terms, what does a thyristor do? |
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| 7. | Draw the symbol for a triac. |
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| 8. | Draw a half wave rectifier circuit including the input and output waveforms. |
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| 9. | Draw the symbols for an n‑p‑n and p‑n‑p transistors. |
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