**TEXT Study 4 : Silicon Chips**

**Reading**

1. Do radios look different now compared with 65 year ago? If so, can you think of any reasons for this?
2. Why were there no pocket calculators or digital watches 65 years ago?
3. Why are wires for conducting electricity covered in plastic?
4. If you dropped a piece of clothing onto an electric fire and it started to burn, how would you put it out?
5. How do you control electricity in the home?
6. Why is it often important to notice the colour of wires when you attach plug to a piece of electrical equipment?

**Text**













**TEXT Study 4**

1. **Content skim :**
2. Read the first sentence of each paragraph and decide what, in general, is the passage about?

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1. What particular development does the passage lead up to?

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1. What is the topic of each?

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| **Para. 1** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| **Para. 2** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| **Para. 3** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| **Para. 4** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| **Para. 5** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| **Para. 6** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| **Para. 7** | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |

1. **Comprehension Scan**

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| **Para 1 Line 5** | Which “**components**” are referred to |  |
| **Para 1 Line 7** | What does “**they**” refer to |  |

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| **Para 2 Line 2** | What does incorporate such a tube |  |
| **Para 2 Line 3** | “**Solid material**” rather than what |  |
| **Para 2 Line 3** | What is the reason referred to |  |

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| **Para 3 Line 4** | Which developments made this possible  |  |
| **Para 3 Line 4** | What does “**their**” refer to |  |

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| --- | --- | --- |
| **Para 4 Line 2** | Which element is referred to as “**this element**” |  |
| **Para 4 Line 5** | Different types of what? |  |

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| --- | --- | --- |
| **Para 6 Line 5** | What does “**their**” refer to |  |
| **Para 6 Line 6** | What does “**their**” refer to |  |

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| **Para 7 Line 6** | “**Remember**” tells that the information has already been given. Site it (where) in the passage |  |
| **Para 7 Line 6** | What does “**which**” refer to |  |
| **Para 7 Line 8** | What does “**these**” refer to |  |

1. **Note-making**

List five limitations of valve systems. Beside each write any contrasting advantages of solid-state systems mentioned in the text:

1. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
2. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
3. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
4. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
5. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
6. **Identifying**

Using information in the final paragraph, label diagrams 1-4. These show the first stages in the production of a silicon chip.

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