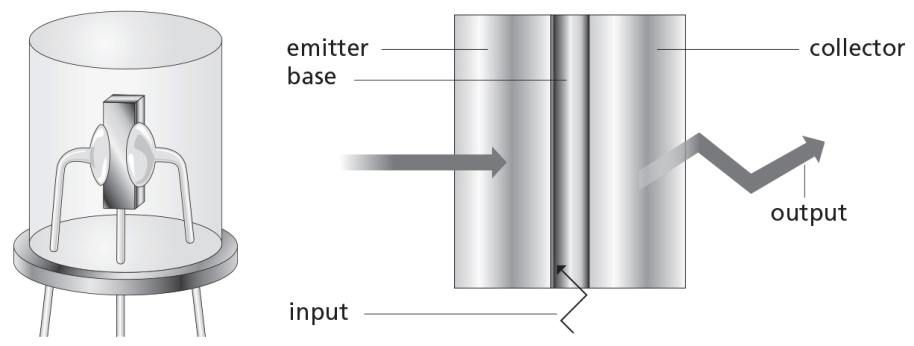
**TERZA PROVA INGLESE 5EC**

**Candidato \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Answer the questions ( 10 lines) . E’ consentito l’uso del dizionario monolingue**

**1**. **Describe the transistor shown in the pictures and give a brief explanation of how it works. Explain the two main functions of transistors in electronic systems and the reason it is important in the history of technology.**

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**2**. **What is an integrated circuit and what are the advantages of integrated circuits compared to conventional circuits. Mention and compare the main differences pointing out the reason it has revolutionized electronic equipment.**

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**3.Discuss the importance of a data sheet and describe the information it gives to the users?**

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