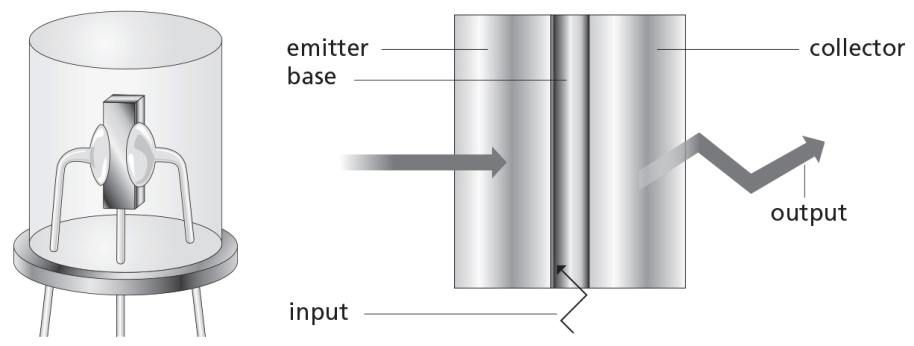
**TERZA PROVA INGLESE 5EC**

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

**Answer the questions ( 5 lines 30 % ) . E’ consentito l’uso del dizionario monolingue e di mappe concettuali.**

**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 main advantages of integrated circuits compared to conventional circuits. Point 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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