

Name:

Western Technical-Commercial School

Date:

Section:

Electronic Components Review Questions

Answer questions in sentence form neatly in the space provided. Use the related web resources to answer the questions fully. Half a mark for short points and one mark for each explanation.

1. Name 2 classes of electronics with explanations and 2 examples each?

Mark Breakdown Column

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2. Explain what resistors and capacitors do in a circuit?

3. Explain on a molecular level how silicon crystal is altered to make N and P type semiconductor materials.

4. Explain how semiconductors work in forward and reverse bias using key terms: PN junction, free electrons, depletion region, battery, 0.7 volts, forward bias, reverse bias, positive holes.

5. In simple terms, how does a transistor work and what is it used for?