Conductors, insulators and semiconductors

Task 1. Work at pronunciation:

Semiconductor	Полупроводник
To pass	Проходить
Silver	Серебро
To increase	Увеличивать
Through	Через
Porcelain	Фарфор
Wire	Провод
LED	Светодиод

Task 2. Pronounce the words

Semiconductor	Полупроводник
To pass	Проходить
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Through	Через
Porcelain	Фарфор
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Task 3. Read the text. Fill in the gaps. Use the hints below.

Materials can be classified according to their_____. There are conductors, insulators and_____. Conductors have low resistance. Current passes through them easily. The most common conductors are metals and water. The best of them are aluminium, silver and copper. Materials change their resistance when temperature changes. Metals increase resistance when the temperature increases (metals have a positive temperature coefficient).

Insulators have very _____resistance. Current passes through them with great difficulty. Insulators are plastics, rubber, paper, air, glass, porcelain, diamond, dry wood, ceramic, oil, teflon. But insulators can conduct current when a high enough voltage is applied to them. Insulators isolate conducting wires.

Semiconductors have _____resistance. Semiconductors are silicon, germanium. They are used to make LEDs, diodes,_____.

moderate

Semiconductors

High

Resistance

transistors

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