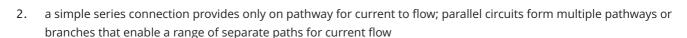
Quizlet

15 Multiple choice questions

- 1. an artificial part used to replace a damaged or diseased body part
 - a. sepsis
 - b. PIC
 - c. CORRECT: prosthesis
 - d. torque



- a. sepsis
- b. CORRECT: series circuit
- c. weld decay
- d. resorb

3. biological process of dissolving and assimilating tissue such as bone

- a. CORRECT: resorb
- b. PIC
- c. torque
- d. sepsis

4. a healthy process used in powder metallurgy, involving the consolidation of metallic powder into a solid compact; temperatures below the melting point of the metal powders are used such that fusion takes place by a process of solid state diffusion

- a. titanium
- b. sepsis
- c. torque
- d. CORRECT: sintering

5.	a programmable interface controller, a small computer complete with input, output and memory that can be programmed to perform simple tasks
	a. sepsis
	b. CORRECT: PIC
	c. torque
	d. resorb
6.	non-ferrous metal used extensively in industry due to its high resistance to corrosion and good strength-to-weight ratio; these properties along with excellent biocompatibility has seen titanium and its alloys used in biomedical applications a. CORRECT: titanium
	b. torque
	c. sintering
	d. PIC
7.	a temporary structure that allows support for biological growth of bone or tissue
	a. sintering
	b. resorb
	c. sepsis
	d. CORRECT: scaffold
8.	a popular term for a defect that may occur as result of welding stainless steels; the region adjacent to the weld may reach a sufficiently high temperature to precipitate chromium carbides at the grain boundaries; the region adjacent to the grain boundaries are consequently depleted in chromium, resulting in a loss of corrosion resistance
	a. resorb
	b. prosthesis
	c. CORRECT: weld decay
	d. sepsis

the moment of a force; a measure of a force's tendency to produce torsion and rotation about axis

a. sepsisb. PIC

c. resorb

d. CORRECT: torque

10.	allows for re-charging of implanted devices through the skin without direct contact about an axis a. CORRECT: transcutaneous charging b. prosthesis c. sintering d. truth table
11.	ability of a metal to return to change between two shapes on heating and cooling a. CORRECT: shape memory alloy
	b. plasma spray
	c. weld decay d. scaffold
12.	 iron base alloys of 13-30wt% Cr named for their resistance to discolouration or staining due to corrosion a. sepsis b. sintering c. prosthesis d. CORRECT: stainless steel
13.	used in digital electronics, this predicts the output of a circuit under all possible combinations of input and output conditions
	a. titanium
	b. torque
	c. CORRECT: truth table
	d. prosthesis
14.	germs a. CORRECT: sepsis
	b. resorb
	c. prosthesis
	d. PIC

- 15. a technology used to apply coatings by bio-inserts by spraying powdered particles transformed into plasma, accelerated and deposited in a molten form onto implant surfaces
 - a. scaffold
 - b. **CORRECT:** plasma spray
 - c. prosthesis
 - d. weld decay