Quizlet

5 Multiple choice questions	
1. an artificial part used to replace a damaged or diseased body part	
a. sepsis	
b. PIC	
c. prosthesis	
d. torque	
2. a simple series connection provides only on pathway for current to flow; parallel circuits form multiple pathways or branches that enable a range of separate paths for current flow	
a. sepsis	
b. series circuit	
c. weld decay	
d. resorb	
3. biological process of dissolving and assimilating tissue such as bone	
a. 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. 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. PIC	
c. torque	
d. resorb	

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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. 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. 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 o the grain boundaries are consequently depleted in chromium, resulting in a loss of corrosion resistance
	a. resorb
	b. prosthesis
	c. weld decay
	d. sepsis
9.	he moment of a force; a measure of a force's tendency to produce torsion and rotation about axis
	a. sepsis
	b. PIC
	c. resorb
	d. torque
10.	allows for re-charging of implanted devices through the skin without direct contact about an axis
	a. 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. 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. 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. truth table d. prosthesis 14. germs a. 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. plasma spray c. prosthesis d. weld decay