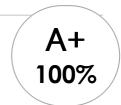
Quizlet

NAME _____

20 Multiple choice questions

- 1. materials that do not promote or retard biological interaction
 - a. nitinol
 - b. **CORRECT:** bioinert
 - c. bioactive
 - d. lever



- 2. code based on two states such as 'on' or 'off', 'up' or 'down', 'true' or 'false'; if these two states are represented numerically the two options are the digits '0' or '1'
 - a. ceramic
 - b. biomedical
 - c. CORRECT: binary code
 - d. bioactive
- 3. a multi-phase material containing phases composed of metals and non-metals, ceramics are typically hard and brittle with good insulating properties
 - a. aseptic
 - b. CORRECT: ceramic
 - c. lever
 - d. corrosion
- 4. against germs
 - a. CORRECT: antiseptic
 - b. bioinert
 - c. aseptic
 - d. bioactive
- 5. to treat or coat a metal in order to reduce the chemical activity of its surface
 - a. glass
 - b. aseptic
 - c. CORRECT: passivate
 - d. logic gate

- Test: 11 Engineering 7 Biomedical Engineering Part 1 | Quizlet materials usually characterised by certain areas of short-range order; as in crystals, does not exist in amorphous substances a. CORRECT: amorphous b. nitinol c. glass d. aseptic 7. a simple machine that can be sued to magnify effort or motion a. CORRECT: lever b. glass c. bioinert d. aseptic point about which a lever arm moves a. lever b. **CORRECT:** fulcrum c. glass d. aseptic items that act as digital switches in which an output of '0' or '1' is produced; depending on the combinations of these gates used, various operations can be performed in a circuit a. CORRECT: logic gate b. bioactive c. passivate d. composite 10. relating to biological and medical systems a. bioinert
 - - b. **CORRECT:** biomedical
 - c. nitinol
 - d. bioactive

11.	circuits that form multiple pathways or branches that enable a range of separate paths for current flow a. ceramic
	b. antiseptic
	c. CORRECT: parallel circuit
	d. fulcrum
12.	material that is compatible with biological processes
	a. bioactive
	b. CORRECT: biocompatible
	c. composite
	d. biomedical
13.	an alloy of nickel and titanium in almost equal proportions with shape memory properties
	a. bioactive
	b. CORRECT: nitinol
	c. fulcrum
	d. bioinert
14.	multi-phase materials formed from a combination of materials, which differ in composition or form
	a. corrosion
	b. CORRECT: composite
	c. logic gate
	d. passivate
15.	a ceramic produced through the fusing of inorganic materials and cooled to a hard condition without any crystalline structure developing; it is amorphous
	a. fulcrum
	b. lever
	c. CORRECT: glass
	d. ceramic

- Test: 11 Engineering 7 Biomedical Engineering Part 1 | Quizlet 16. materials that actively promote biological interaction a. nitinol b. biomedical c. bioinert d. **CORRECT:** bioactive 17. casting process also known as lost wax casting a. CORRECT: investment casting b. antiseptic c. biomedical d. aseptic the principle bone salt Ca(PO4)3OH which provides the compressive strength of vertebrate bone 18. a. CORRECT: hydroxyapatite b. composite c. bioactive d. biocompatible 19. without germs a. CORRECT: aseptic b. antiseptic c. lever d. ceramic
 - an electro-chemical reaction that results in the conversion of metallic materials into oxides, salts or other 20. compounds, metals that undergo corrosion lose strength, ductility and other important mechanical properties
 - a. composite
 - b. **CORRECT:** corrosion
 - c. amorphous
 - d. ceramic