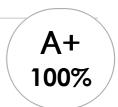
Quizlet

15 Multiple choice questions

- 1. a measure of the quantity of mass per unit volume
 - a. ductility
 - b. cementite
 - c. crystal
 - d. CORRECT: density



- 2. like crystalline solids, materials that are usually characterised by certain areas of short-range order; a long-range order, as in crystals does not exist in such substances
 - a. hardness
 - b. CORRECT: amorphous
 - c. brass
 - d. ferrous
- 3. represents a class of material whose properties derive from the combination of two or more materials that are bonded together such that each of the constituent materials contributes to an improvement in mechanical, physical, chemical or electrical properties
 - a. concrete
 - b. cementite
 - c. CORRECT: composites
 - d. density
- 4. a mixture of aggregate embedded in a cement binding matrix composed of sand, water and cement
 - a. composites
 - b. bronze
 - c. CORRECT: concrete
 - d. density
- 5. the ability of a material to undergo plastic deformation by extrusion or the application of tensile forces
 - a. austenite
 - b. cementite
 - c. CORRECT: ductility
 - d. density

6	the course of the terms and the with the course of Fernanda Fee
6.	the name given to iron carbide with the general formula Fe3C
	a. austenite
	b. density
	c. CORRECT: cementite
	d. composites
7.	a point of support and turning about which lever arms pivot
	a. ferrous
	b. CORRECT: fulcrum
	c. concrete
	d. density
8.	a term generally applied to an alloy of copper and up to 1004 tip
0.	a term generally applied to an alloy of copper and up to 10% tin a. brass
	b. ceramic
	c. ferrous
	d. CORRECT: bronze
9.	the resistance of a material to scratching or abrasion; this may also refer to resistance to indentation, penetration or cutting
	a. CORRECT: hardness
	b. brass
	c. bronze
	d. ferrous
10.	an alloy of copper and up to 43% zinc
	a. bronze
	b. crystal
	c. CORRECT: brass
	d. ceramic

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11.	an electrostatic attractive force within and between atoms that allows the formation of materials containing more atoms	ng two or
	a. composites	
	b. austenite	
	c. cementite	
	d. CORRECT: atomic bonding	
12.	a multi-phase material containing phase composed of compounds of metals and non-metals; they are typ and good insulators	ically hard
	a. CORRECT: ceramic	
	b. density	
	c. ferrous	
	d. brass	
13.	the face centred cubic (FCC) phase of iron containing some dissolved carbon a. cementite	
	b. density	
	c. ductility	
	d. CORRECT: austenite	
14.	metals based on the metallic element iron (Fe); the two most common of these are steel and cast iron, distinguished primarily by the percentage of carbon present	
	a. fulcrum	
	b. ceramic	
	c. brass	
	d. CORRECT: ferrous	
15.	a material whose atoms or molecules are arranged in a predictable or ordered pattern based around all th dimensional axes	nree-
	a. CORRECT: crystal	
	b. brass	
	c. bronze	

d. density