Mu	ltiple Choice Quiz: Section 3.2: Volume and Mass Fractions, Density, and Void Content
 1.	What is the definition of fiber volume fraction?
Α	Volume of Composite/Volume of Fibers.
В	1 plus the Matrix Volume Fraction.
С	Volume of Fibers/Volume of Composite.
D	Volume of Fibers/Volume of Matrix.
	Several properties of a composite change when voids are present. For a 1% increase in void stent, what is the range of change in these properties.
Α	less than 2 percent.
В	2 to 10 percent.
С	greater than 15 percent.
D	2 to 15 percent.
 3.	What tests determine the volume fraction of voids?
Α	burn or acid digestion tests.
В	shear tests.
С	impact tests.
D	tension tests.
 4.	What is the formula for finding the void fraction?
Α	(theoretical minus experimental composite density)/experimental composite density.
В	void volume/(fiber volume plus composite volume).
С	(experimental minus theoretical composite density)/experimental composite density.

	D	(theoretical minus experimental composite density)/theoretical composite density.
5. app		The decrease in mechanical properties due to voids depends on the following (check all that ly)
	Α	shape of voids
	В	Young's moduli of fiber
	С	size of voids
	D	location of voids