## Multiple Choice Quiz: Section 3.6: Coefficients of Moisture Expansion

 1. (che	The longitudinal moisture expansion coefficient of a lamina is a function of the following eck all that apply)
Α	Young's moduli of fiber and matrix
В	Poisson's ratio of fiber and matrix
С	Volume fraction of fiber and matrix
D	Density of fiber and matrix
Е	Moisture concentration in fiber and matrix
F	Coefficient of moisture expansion of fiber and matrix
 2. coe	If the fibers do not absorb or deabsorb moisture, the longitudinal moisture expansion fficient is a function of the following (check all that apply)
Α	Density of fiber and matrix
В	Young's moduli of fiber and matrix
С	Coefficient of moisture expansion of matrix
D	Volume fraction of fiber and matrix
Е	Poisson's ratio of fiber and matrix
 3.	For a lamina exposed to changes in moisture, it is generally assumed that
Α	the change in moisture concentration is the same for the fiber and the matrix.
В	the change in moisture concentration is zero for the fiber.
С	the change in moisture concentration is zero for the matrix.
D	the change in moisture concentration is different for the fiber and the matrix.
	For polymer matrix composites with high fiber to matrix Young's moduli ratios and no orption or deabsorption of water in fibers, the longitudinal coefficient of moisture expansion is

В	higher than the transverse coefficient of moisture expansion
С	close to zero
 5. app	The transverse moisture expansion coefficient is a function of the following (check all that ly)
Α	Moisture concentration in fiber and matrix
В	Volume fraction of fiber and matrix
С	Young's moduli of fiber and matrix
D	Density of fiber and matrix
Ε	Poisson's ratio of fiber and matrix
F	Coefficient of moisture expansion of fiber and matrix
 6. coe	If the fibers do not absorb or deabsorb moisture, the transverse moisture expansion fficient is a function of the following (check all that apply)
Α	Volume fraction of fiber and matrix
В	Moisture concentration in matrix
С	Density of fiber and matrix
D	Young's moduli of fiber and matrix
Ε	Coefficient of moisture expansion of matrix
F	Poisson's ratio of fiber and matrix

A same order as the transverse coefficient of moisture expansion