Composites

A composite is a material that is made of more than one material combining the strengths of each material into one. The aerospace industry uses composite materials for the frames of aircraft. Civil engineers use composite materials to increase the strength of a structure.

1.	Co	onduct an Internet investigation to learn about composite materials.	
2.		at are the two types of materials a composite must have? What function does each wide?	
3.	Co Pro Co	ntify and describe three different composites used in engineering today. ample mposite: fiberglass operties: lightweight, strong, flexible mponents: fine filaments of glass and polymer resin es: boat hulls, thermal insulation	
	a.	Composite:	
		Properties:	
		Components:	
	_	Uses:	
	b.	Composite:	
		Properties:	
		Components:	
		Uses:	
	c.	Composite:	
		Properties:	
		Components:	

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4. Using what you have learned about the nature of composites, create your own composite material. Make your material a uniform size, 12" x 2", so that you can test it against your classmates' materials. Some possible components are different thicknesses of papers, string, paperclips, scraps of cloth, drinking straws, and sawdust.