












Interactions

Literature

		Synthesized Shapes		Assemblies Obtained
Is it the densest packing?	Yes	Hard	 6 ¹ Au ¹⁶ , Ag ²⁷ , Pd ⁵⁸ , ZSM-2 ²⁴ , In ₂ S ₃ ²³ , Cu ₂ S ³⁹ , BN ³⁹ , NaYF ₄ ²⁷ , Cu ₂ Se ²⁸ , NiCu ₁₀ Sb ₂ Te ₃ ⁶¹ , ZnO ³⁷ , Ni(OH) ₂ ⁶³	Au ¹⁶ , ZSM-2 ²⁴ , In ₂ S ₃ ²³ , Cu ₂ S ³⁹ , NaYF ₄ ²⁷ , Cu ₂ Se ²⁸
	Hard	 4 ¹ Au ²³ , NaYF ₄ ²⁷ , TiO ₂ ²¹ , GdF ₃ ²⁷ , Bi ₂ WO ₆ ⁶⁴ , WO ₃ ⁶⁵ , Gd ₂ O ₃ ⁶⁶ , Mn ₂ O ₃ ⁶⁷ , BiVO ₄ ⁶⁸	Au ²³ , NaYF ₄ ²⁷ , TiO ₂ ²¹ , GdF ₃ ²⁷	
	Hard	 3 ² Au ¹⁶ , Ag ⁶⁰ , Pd ⁶¹ , CeF ₃ ²⁰ , LaF ₃ ³² , NaYF ₄ ²⁷ , Cu ₂ Se ²⁴ , Gd ₂ O ₃ ⁶⁹ , NiCu ₁₀ BN ³⁹	CeF ₃ ²⁰ , LaF ₃ ³² , NaYF ₄ ²⁷ , Cu ₂ Se ²⁸	
	Hard	 3,12 ² Au ⁷⁰	None	
	Attractive Patches	 4,8 ² Cu ₂ BiS ₆ ⁷¹	None	
Is it a mixture?	No			
	Yes			
Alternating building block property?	Yes	Shape Specific Patches	 3,4,6,4 None	None
	Shape Specific Patches	 3 ² ,4,3,4 None	None	
	Shape Specific Patches	 3,6,3,6 None	None	
	Edge Specific Patches	 3,6 None	None	
	Edge Specific Patches	 3 ² ,4 ² None	None	
	Edge Specific Patches	 4,6,12 Pd {111} ⁶⁰ {110}	None	