Particle nature of matter

	f the statements below is true or false. Give reasons for your answers in terms of particle nature of matter.
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Statement 1: "The par	ticles in hot water move faster and are further apart than those in cold water."
Is this true? True Fals	se
Reason:	
Statement 2: "The par	ticles in orange juice are close together but they can move around."
Is this true? True Fals	se .
Reason:	
	solid cools, the particles vibrate more slowly and get smaller."
Is this true? True Fals	se
Reason:	
Statement 4: "Liquid r	nitrogen has the formula N2. When liquid nitrogen boils the gas has the formula
Is this true? True Fals	se
Reason:	
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