

Particle Theory of Matter

Nick blew up a balloon in his room. When he took the balloon outside, it got bigger. Was the temperature outside hotter or colder than in his room? Explain how you know using the particle theory.

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When building a bridge or sidewalks, small gaps are left in between the concrete blocks. Explain why using the particle theory.

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Heating an oxygen tank up will cause it to burst open and explode. Explain why using the particle theory.

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Why can you smell something cooking across the room? Explain using the particle theory.

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Copy the following chart into your notebook. Complete using particle theory.

	Solid	Liquid	Gas
Diagram			
Space between particles	very small		
Force between particles			very weak
Movement			

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Why does a ring or piece of jewellery feel tight on a hot summers day?